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Index-Catalogue of Medical and Veterinary Zoology

Supplement 23, Part 6, Section B. Subject Headings: J-Z

Parasite-Subject Catalogue Subject Headings and Treatment

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Preface

The Index-Catalogue of Medical and Veterinary Zoology is an index to the world's literature on animal parasites of animals, including man. The Catalogue is distributed to qualified individuals and libraries throughout the world without charge. It has been maintained in cumulative files since 1892. Only the Author Catalogue has been published in its entirety. A revision of the Author Catalogue of the Index-Catalogue of Medical and Veterinary Zoology, consisting of Parts 1 to 18, was published during the period 1932-52. Beginning in 1953, a series of supplements designed to publish the backlog was initiated. This was completed with Supplement 6, published in 1956. From 1956 to 1964, supplements covering authors A to Z were issued on an annual basis.

Beginning with Supplement 15, the Parasite-Subject Catalogues, containing indices to the author references, have been issued. The Author Catalogues of Supplements 15-21 continued the format of previous supplements. Users should note that for each reference in the Author Catalogues of these supplements the author(s) plus the date and letter (e.g., Smith, J.; and Doe, L., 1978 b) are the key to all items in the Parasite-Subject Catalogues derived from that reference. In other words, when using the Parasite-Subject Catalogues of Supplements 15-21, it is necessary to consult the Author Catalogue of the corresponding supplement for complete bibliographic information.

Commencing with Supplement 22, basic bibliographic information is included with each entry in Parts 2-7. It should be emphasized, however, that it will still be useful to consult the Author Catalogue for a variety of other information that may be found there: Title of the reference, translated title, language of text and summaries, issue date, library from which the original may be obtained, published corrections, related references by the same author, and other miscellaneous information.

Each supplement consists of the following parts:

Part 1, Authors: A-Z
Part 2, Parasite-Subject Catalogue: Parasites: Protozoa
Part 3, Parasite-Subject Catalogue: Parasites: Trematoda and Cestoda
Part 4, Parasite-Subject Catalogue: Parasites: Nematoda and Acanthocephala
Part 5, Parasite-Subject Catalogue: Parasites: Arthropoda and Miscellaneous Phyla
Part 6, Parasite-Subject Catalogue: Subject Headings and Treatment
Part 7, Parasite-Subject Catalogue: Hosts

Users should bear in mind that this is an Index-Catalogue, not a treatise, and should not expect to find reasons for any given entry. Nor does citing of synonymy mean that it is necessarily correct. The same statement holds for hosts, locations, localities, authorship of taxa, designation of new taxa, etc. These items are cited as given by the author(s) of the publication being indexed.

The information included in any given supplement represents only the publications that have been indexed in that supplement; and therefore, exclusion of, or limited entries for, any given author or parasite has no significance. No pretension is made for completeness, and assistance in correcting errors or obtaining additional information is appreciated. Reprints of papers on parasitology are requested.

Explanatory Note

Author Catalogue

The Author Catalogue (Part 1 of each supplement) contains full bibliographic information for each publication indexed during the compilation of that supplement. A symbol for the library from which the original publication may be obtained is given at the end of each entry, e.g., Wa, Wm, Wc, etc. A key to these library symbols may be found in Supplements 10 and 20. A list of serial abbreviations new to our files is published at the beginning of each Author Catalogue.

Parasite Catalogues

The Parasite Catalogues (Parts 2-5 of each supplement) are divided by parasite phyla (Protozoa, Trematoda, etc.). They are arranged alphabetically by genera, parasitic diseases, and higher taxa and then alphabetically by species within genera. Entries under each heading are in turn arranged alphabetically by authors and then chronologically for each author. Each entry consists of the name of the parasite or parasitic disease, the author(s) of the publication, date, abbreviated title of the publication, volume, number, inclusive pages, and a subheading. Illustrations of parasites are indicated by the word illus. following the name of the parasite.

Fasciola hepatica, illus.
  Smith, J.; and Doe, L., 1978, J. Parasitol., v. 64 (1), 30-38
    Fasciola hepatica, white mice, successful vaccination with culture incubate antigens and antigens from sonic disruption of immature worms

    Subheading

  Bibliographic information (author line(s))

Entry term

A variety of information is found indented beneath the author line(s) of each entry: Classification, hosts, synonymy, keys, treatment, etc. Subheadings are guides to the subject matter of the publication.

(1) **Classification:** In entries based on systematic articles, the subheading may give the higher taxa in which the taxon has been placed or it may list the lower taxa included in a higher taxon.

(2) **Hosts:** The only hosts recorded are those that pertain directly to the author's own work. Scientific host names are used unless the author gives only common names, in which case the host names are given exactly as in the original publication.

However, when host common names are in Cyrillic alphabet languages, host Latin names are assigned and listed instead of the common name; these are in square brackets [].

Locations of parasites in or on hosts are given in parentheses (). Where a host-parasite relationship is well known, a host may be given under a parasite name and not in the Host Catalogue; this applies particularly to parasites of medical and veterinary importance and of worldwide distribution. A + before the host name on the parasite entry means that no host entry was made for this particular reference.

(3) **Synonymy:** Usually only those synonyms which the author indicates as new, or which are new to the files of the Index-Catalogue of Medical and Veterinary Zoology, are given.

(4) **Keys:** The subheading "key" indicates that the name is included in a taxonomic key.

(5) **Treatment:** When there are several antiparasitic agents mentioned in a publication, a general term is used in the subheading, e.g., anthelmintics, insecticides, protozoacides. However, in the Treatment Catalogue, all agents tested by the investigator(s) are listed.

(6) **Geographic Distribution:** When there are multiple hosts and geographic localities, the appropriate locality is recorded after each host name; when the hosts of a parasite are all from one locality, they are recorded as "all from" this locality.

(7) **Other Subject Matter:** Phrases indicate other subject matter discussed (e.g., immunity, metabolism, morphology, etc.).

Subject Headings Catalogue

The Subject Headings Catalogue (the first section of Part 6 of each supplement) is an alphabetic arrangement of entry terms from a controlled list of subject headings. Each entry consists of the subject heading, bibliographic information, and a subheading reflecting the information contained in the paper. Subject headings with numerous entries are separated into alphabetized subdivisions, e.g.,

Immunity
Immunity, Agglutination
Immunity, Allergy

Treatment Catalogue

In the Treatment Catalogue (a section of Part 6 of each supplement), all entries referring to one antiparasitic agent are grouped under one heading (regardless of the name used by the investigator) and are then listed alphabetically by author. Other names for the same agent are cross-referenced to the name used for filing. When generic and chemical names are available, preference is given to those names as headings rather than to trade names or code numbers and letters. Code number designations for compounds are entered in the Number Index in numerical order and cross-referenced to the name under which they are listed in the alphabetical section. Salts of a compound are usually grouped together, e.g., piperazine adipate, piperazine citrate, etc., are all listed under Piperazine. Sometimes verifying synonymy of drug names is impossible; consequently, groupings and cross-references are not always authenticated although as many as possible have been checked with reliable sources. In some instances, the cross-references are based entirely on information in papers indexed and verification was not possible. Foreign language terminology has been anglicized where feasible. Chemosterilants, Molluscicides, and Repellents are entered under these three collective headings and not under the individual chemical. The format is the same as the parasite entries: Entry term (in this case, drug name), bibliographic information, and subheading.

Host Catalogue

The Host Catalogue (Part 7 of each supplement) is arranged alphabetically by genera, common names, and higher taxa and then alphabetically by species within genera. Nominate subspecies are interfiled with the species. Entries under each heading are in turn arranged alphabetically by author(s) and then chronologically for each author. The format is the same as in the other Catalogues, i.e., entry term (in this case, host name), bibliographic information, and subheading. Indented beneath the author line(s) of each host entry are all the parasites of a particular phylum that were reported from this host in the paper in question. Body locations of these parasites will be found in parentheses () either in the subheading or with the host name. Experimental infection is reported as such. When there are multiple parasites and geographic localities, the appropriate locality is recorded after each parasite name; when the parasites from this host are all from one locality, they are recorded as "all from" this locality. When authors use only common names of hosts, scientific names are cautiously supplied from authoritative sources after careful consideration. Cross-references from the common name used by the author to the scientific name supplied by the Index-Catalogue are filed among the host entries. Such supplied names are given in square brackets []. If a scientific name cannot be supplied, English common names are used. Scientific names or English common names are always supplied for common names in Cyrillic alphabet languages, and no cross-references are made. Surveys of parasites of humans and domestic animals are often indexed under geographic headings and entered in Part 6, Subject Headings, in addition to appearing in the Host Catalogue. In this case, all parasite phyla are grouped under the same host entry, and individual parasite entries are not included in the Parasite Catalogue.

Visitors are welcome to come to the Animal Parasitology Institute to use the cumulative files. Arrangements should be made in advance for lengthy visits.

All correspondence should be addressed to:

Index-Catalogue of Medical and Veterinary Zoology
Animal Parasitology Institute
USDA, ARS, BARC-East, Building 1180
Beltsville, Maryland 20705 U.S.A.

It is hoped that these Catalogues will serve as a useful tool to workers in the field of parasitology. Users are requested to preserve the Catalogues, since they are not designed for general distribution and the edition is limited.

The compilers thank the staffs of the National Agricultural Library, the National Library of Medicine, and all other libraries who have aided us invaluably by making publications available to us.

Trade names are used in this publication solely for the purpose of providing specific information. Mention of a trade name does not constitute a guarantee or warranty of the product by the U.S. Department of Agriculture or an endorsement by the Department over other products not mentioned.

Japan
Kagei, N., 1973, Snake, v. 5 (1-2), 141-150
macroscopic endoparasites of snakes recorded in Japan

Japan
Kamiya, H.; et al., 1973, Japan. J. Vet. Research, v. 21 (3), 51-56
helminths of stray dogs: Sapporo, Hokkaido, Japan
(Clonorchis sinensis; Plagiorchis muris; Trichuris vulpis; Dirofilaria immitis; Ancylostoma caninum; Toxocara canis; Toxascaris leonina; Corynosoma sp.)

Japan
Tani, S., 1976, Kiseichugaku Zasshi (Japan. J. Parasitol.), v. 25 (4), 262-273
helminthiasis, humans, epidemiological survey: Akita Prefecture, Japan
(Echinostoma hortense; Metagonimus yokogawai; Trichuris trichiura; hookworm; Trichostrongylus orientalis; Ascaris lumbricoides)

Jaundice
Burlui, D.; et al., 1974, Rev. Chir. (Chirurgia), Bucuresti, v. 23 (8), 669-676
human hepatic hydatid cysts with complicating obstructive jaundice, case reviews of successful therapeutic surgical intervention

Jaundice
Chermette, R., 1979, Point Vet. (45), v. 9, 31-40
Babesia divergens, bovine, as cause of icterus, review: life cycle, epidemiology, clinical aspects, pathogenesis, immunity, diagnosis, treatment, prophylaxis

Jaundice
Chernin, J.; and Tilleray, V. J., 1979, J. Helminth, v. 53 (2), 127-129
Taenia crassiceps in mice suffering from obstructive jaundice, bilirubin extracted from metacestodes, reduced activity of β-D-glucuronidase in pigmented vs. normal parasites

Jaundice
Cowie, R. L.; et al., 1979, South African Med. J., v. 55 (11), 402 [Letter]
amoebic liver abscess in patients presenting with jaundice or raised serum bilirubin, suggestions for management

Gallardo, A.; Saez, J. M.; and Enriques, G., 1976, Rev. Espan. Enferm. Apar. Digest., v. 48 (4), 471-482
[Fasciola] hepatica, human, with resulting obstructive jaundice, extensive case report: Cazalla de la Sierra, Spain

Jaundice
Hirsch, R. P., 1979, Internat. J. Parasitol., v. 9 (5), 395-399
Histomonas meleagridis-infected turkeys, dynamics of protozoan population density, plasma glutamic oxalacetic transaminase, plasma bilirubin concentration, relationship to clinical symptoms

Jaundice
Ou Tim, L.; Segal, I.; and Hodkinson, H. J., 1979, South African Med. J., v. 55 (5), 179-184
amoebic liver abscess, patients presenting with jaundice, diagnostic problems resulting in delayed therapy often result in fatal complications of hepatic and renal failure

Jaundice
Schamaun, M., 1972, Schweiz. Med. Wchnschr., v. 102 (7), 224-227
Echinococcus alveolaris, human hepatic infection, case reports, difficulties of surgical resection when jaundice is present

Jejunum. See Intestine.

Joints. See Musculoskeletal system.

Jordan
Sherkov, S. N.; et al., [1977], Egypt. J. Vet. Sc., v. 13 (1), 1976, 23-28
survey of Eimeria spp., chickens, no significant seasonal fluctuation of coccidiosis outbreaks: Jordan
(Eimeria necatrix; E. acervulina; E. tenella; E. maxima; E. brunetti)

Jordan
Sherkov, S. N.; El Rabie, Y.; and Kokash, L., [1977], Egypt. J. Vet. Sc., v. 13 (1), 1976, 29-36
survey of tick-borne protozoa in domestic animals, spring-summer distribution: Jordan
(Anaplasma ovis; Babesia ovis; Francaiella ovis; Piroplasma ovis; Theileria ovis; P. bigemina; T. annulata; T. parva; A. marginale; Trypanosoma evansi; Trypanosoma ninae)

Jugoslavia. See Yugoslavia.

Karyotype. See Chromosomes.

Kenya
Arnold, S.; et al., 1978, Tr. Roy. Soc. Trop. Med. and Hyg., v. 72 (2), 210-211 [Letter]
survey of intestinal parasites in Kenyan roadworkers: Kwale District, Kenya
(hookworm; Trichuris trichiura; Entamoeba sp.; Ascaris lumbricoides; Enterobius vermicularis; Hymenolepis nana; Schistosoma mansoni; Strongyloides stercoralis; Schistosoma haematobium)

Kenya
Duncan, J. W. K., 1978, East African Med. J., v. 55 (5), 216-222
prevalence of intestinal parasites, Kenyatta National Hospital, Nairobi, 1972-1976
(hookworm; Ascaris lumbricoides; Trichuris trichiura; Schistosoma mansoni; Strongyloides stercoralis; Taenia solium; T. saginata; Giardia lamblia; Chilomastix mesnili; Entamoeba histolytica; Iodamoeba butschlii; Endolimax nana; Entamoeba coli)

Kenya
Itotia, J. N.; Cruickshank, B.; and Refai, M., 1978, East African Med. J., v. 55 (8), 366-372
human parasitic and bacterial infections, results of faecal examinations of food handlers, importance of periodic screening: Kenya
(hookworms; Trichuris; Ascaris; Schistosoma mansoni; Taenia; Giardia; Hymenolepis nana; Strongyloides; Entamoeba histolytica)

Kenya
Ouma, J. H.; and Waithaka, F., 1978, East African Med. J., v. 55 (2), 54-60
prevalence survey for intestinal parasites in Kitui District schoolchildren with special emphasis on study of Schistosoma mansoni and S. haematobium: Kenya
(Ascaris lumbricoides; hookworm; Trichuris trichiura; Hymenolepis nana; Endolimax nana; Entamoeba coli; E. histolytica)

Kenya
Rijpstra, A. C., 1975, Ann. Soc. Belge Med. Trop., v. 55 (5), 415-425
intestinal parasites, primary school children, prevalence survey using duplicated series of stool examinations by 5 different methods; serologic survey for invasive amoebiasis and schistosomiasis: Nairobi
(Ascaris lumbricoides; Trichuris trichiura; hookworm; Trichostrongylus sp.; Strongyloides stercoralis; Enterobius vermicularis; Taenia sp.; Hymenolepis nana; Fasciola hepatica; Schistosoma mansoni; Entamoeba coli; E. histolytica; E. hartmanni; Iodamoeba buetschlii; Endolimax nana; Dientamoeba fragilis; Giardia lamblia; Chilomastix mesnili; Enteromonas hominis; Isospora hominis; I. belli; Trichomonas hominis)

Kenya
Stephenson, L. S.; et al., 1979, East African Med. J., v. 56 (1), 1-9
intestinal helminths, preschool children, stool examinations, nutritional status: Mwatati and Kanzalu villages, Machakos District, Kenya
(Ascaris lumbricoides; Entamoeba spp.; hookworm; Trichuris trichiura; Schistosoma mansoni; Enterobius vermicularis)

Kidney. [See also Urine and urinary tract]

Kidney
Altieri, A.; et al., 1973, Rassegna Internaz. Clin. e Terap., Napoli, v. 53 (19), 1188-1193
human renal echinococcosis, case report of infection diagnosed after daughter cysts were excreted via the urinary tract, clinical aspects

Kidney
Andrade, Z. A.; and Iabuki, K., 1972, Rev. Inst. Med. Trop. S. Paulo, v. 14 (1), 51-54
human kala-azar, kidney pathology post mortem

Kidney
Andrade, Z. A.; and Rocha, H., 1979, Kidney Internat., v. 16 (1), 23-29
Schistosoma mansoni, glomerulopathy, clinical manifestations, pathology, immunopathology, therapy, humans

Kidney
Barratt, T. M., 1979, Arch. Dis. Childhood, v. 54 (11), 825-830
malaria as therapy for nephrotic syndrome of childhood, immunological and other aspects, brief review

Kidney
Barsoum, R. S.; et al., 1979, Tr. Roy. Soc. Trop. Med. and Hyg., v. 73 (4), 367-374
schistosomiasis, humans with nephrotic syndrome, renal biopsy showed amyloid deposits, speculation that deposits are associated with circulating immune complexes

Kidney
Boonpucknavig, V.; Boonpucknavig, S.; and Bhamarapravati, N., 1979, Arch. Path. and Lab. Med., v. 103 (11), 567-572
Plasmodium berghei berghei-infected mice treated with chloroquine phosphate, focal glomerulonephritis in hyperimmune state, clinical, immunopathologic, and histopathologic findings

Kidney
Boonpucknavig, V.; and Sitprija, V., 1979, Kidney Internat., v. 16 (1), 44-52
Plasmodium falciparum, man, renal disease associated with acute infection, extensive review

Kidney
Boreham, P. F. L.; and Facer, C. A., 1977, Ztschr. Parasitenk., v. 52 (3), 257-265
Trypanosoma brucei in rabbits, fibrin degradation products in urine, possible mechanisms of renal damage

Kidney
de Brito, T.; et al., 1969, Rev. Inst. Med. Trop. S. Paulo, v. 11 (1), 62-64
human hepato-splenic schistosomiasis, ultrastructural study of associated kidney pathology, kidney biopsies showed electron dense deposits thought to be gamma globulin

Kidney
de Brito, T.; et al., 1970, Rev. Inst. Med. Trop. S. Paulo, v. 12 (4), 225-235
Manson's schistosomiasis, human hepatosplenic, advanced kidney disease

Kidney
Danno, K.; Fukuyama, K.; and Epstein, W. L., 1979, Lab. Invest., v. 40 (3), 358-363
Schistosoma mansoni, infection induces T-cell-independent autoantibody (antinuclear antibody) in athymic mice and T-cell-dependent antischistosome antibodies in thymus-intact mice, both types of antibodies deposit in kidneys as immunocomplexes

Kidney
Date, A.; et al., 1979, Postgrad. Med. J., London (650), v. 55, 905-907
acute immune complex eosinophilic glomerulonephritis in 44-year-old man with Bancroftian filariasis, possible aetiological relationship

Kidney
Date, A.; Shastry, J. C. M.; and Johny, K. V., 1979, J. Trop. Med. and Hyg., v. 82 (7), 150-154
filarial chyluria, patients, possible pathogenetic mechanisms associated with various glomerular lesions

Kidney
Digeon, M.; et al., 1979, Clin. and Exper. Immunol., v. 35 (3), 329-337
Schistosoma mansoni, mice, IgG and IgM but not IgA anti-schistosome antibodies, circulating immune complexes containing schistosomal antigen, glomerular mesangial deposits of IgA, IgM, and C3

Kidney
Drazner, F. H., 1978, Canine Pract., Santa Barbara, v. 5 (5), 66-68
Dirofilaria immitis, dog, secondary renal amyloidosis and glomerulonephritis, immune-complex mechanism

Kidney
Facer, C. A.; et al., 1978, Exper. Parasitol., v. 44 (2), 249-261
Trypanosoma brucei, rabbits, renal pathology, glomerular changes result from deposition of soluble trypanosome immune complexes, tubular changes are typical of tissue ischemia, trypanosomiasis in rabbit could be valuable model

Kidney
de Faria, C. V., 1978, Rev. Hosp. Clin., S. Paulo, v. 33 (2), 110-113
human schistosomiasis, nephrotic pathology, clinical review

Kidney
Gajjar, P. D.; and Sinclair-Smith, C. C., 1978, South African Med. J., v. 54 (23), 984-986
echinococcosis, renal infections in children, pathology, diagnosis, usefulness and limitations of Casoni skin test and serological tests: South Africa

Kidney
Garcia Garcia, M.; et al., 1979, Rev. Clin. Espan., v. 155 (2), 117-122
Plasmodium falciparum, humans, associated renal failure and respiratory distress, clinical aspects, case reports: Spain (travellers and workers from endemic areas)

Kidney
Hendrickse, R. G.; and Adeniyi, A., 1979, Kidney Internat., v. 16 (1), 64-74
Plasmodium malariae, children, causing immune complex nephritis, presenting clinical and biochemical findings, renal pathology

Kidney
Hersch, C., 1967, South African Med. J., v. 41 (2), 29-34
scabies associated with acute glomerulonephritis, paediatric patients, incidence and predisposing factors, clinical and biological features, recommendations for management: Livingston Hospital, Port Elizabeth

Kidney
Hoshino-Shimizu, S.; et al., 1975, Rev. Inst. Med. Trop. S. Paulo, v. 17 (6), 394-397
Schistosoma mansoni, human kidneys from autopsies, schistosomal antigen, immunoglobulins, complement C_3, and fibrinogen

Kidney
Houba, V., 1979, Kidney Internat., v. 16 (1), 30-43
schistosomiasis, experimental renal disease, extensive review

Kidney
Lindsley, H. B.; Nagle, R. B.; and Stechschulte, D. J., 1978, Am. J. Trop. Med. and Hyg., v. 27 (5), 864-872
Trypanosoma rhodesiense-infected rats, proliferative glomerulonephritis, hypocomplementemia, nucleic acid antibodies, feasibility of rat as model host

Kidney
Oyediran, A. B. O. O., 1979, Kidney Internat., v. 16 (1), 15-22
Schistosoma haematobium, renal impairment and damage, emphasis on radiological, biochemical, and renographic studies of renal function in affected persons

Kidney
Parbtani, A.; and Cameron, J. S., 1979, Kidney Internat., v. 16 (1), 53-63
Plasmodium spp., exper. infections in mice, nephritis dependent upon deposition of immune complexes in the kidney accompanies acute infections

Kidney
Poels, L. G.; van Niekerk, C. C.; and Jerusalem, C., 1978, Israel J. Med. Sc., v. 14 (6), 651-654
Plasmodium berghei, mice, formation of two types of immune complex (one with and one lacking plasmodial antigens) and their deposition in renal glomeruli, immune complexes lacking parasite antigen may be involved in secondary autoimmune (anti-smooth muscle) process, possible induction mechanism of autoantibodies, symposium presentation

Kidney
Rickman, W. J.; and Cox, H. W., 1979, J. Parasitol., v. 65 (1), 65-73
Trypanosoma brucei rhodesiense-infected rats, syndrome characterized by anemia, splenomegaly, and glomerulonephritis, accompanied by presence of 3 autoantibodies and by presence of fixed complement and fibrinogen on trypanosomes and erythrocytes

Kidney
de Rousse, A. R.; and Romero M., J., 1974, Rev. Inst. Med. Trop. S. Paulo, v. 16 (6), 362-367
Schistosoma mansoni-infected mice, ultrastructure of kidney lesions, characterized as immune complex disease

Kidney
Sadigursky, M.; and Andrade, Z. A., 1978, Rev. Inst. Med. Trop. S. Paulo, v. 20 (1), 67-69
Schistosoma mansoni, S. haematobium, humans, no evidence of association with renal amyloidosis

Kidney
Strausbaugh, L. J.; et al., 1978, Am. J. Trop. Med. and Hyg., v. 27 (5), 919-923
Schistosoma mansoni with associated chronic salmonellosis, case reports of 2 patients with nephrotic syndrome who responded poorly to therapy, renal biopsies demonstrated amyloidosis: Egypt

Kidney
Thoongsuwan, S.; and Cox, H. W., 1978, J. Parasitol., v. 64 (4), 669-673
Trypanosoma lewisi, ATC strain in Sprague-Dawley rats, anemia, splenomegaly, and glomerulonephritis accompanied by presence of cold-active hemagglutinin for trypsinized rat erythrocytes

Kidney
Veress, B.; et al., 1978, Ann. Trop. Med. and Parasitol., v. 72 (4), 357-361
nephrotic syndrome with special reference to schistosomal nephropathy, preliminary morphological study

Kidney
Weisinger, J. R.; et al., 1978, Am. J. Trop. Med. and Hyg., v. 27 (2, pt. 1), 357-359
Leishmania donovani, human, case report, kidney involvement demonstrated clinically and histologically, deposits of immune complexes: University Hospital of Caracas, Venezuela

Kidney
Wong, S. T. C.; and Desser, S. S., 1978, J. Protozool., v. 25 (3, pt. 2), 302-314
Leucocytozoon dubreuili, development of secondary schizonts in renal tubule cells of Turdus migratorius and profound parasite-induced changes in these cells, electron microscopy

Kidney
Wright, I. G.; and Boreham, P. F. L., 1977, Biochem. Pharmacol., v. 26 (5), 417-423
Trypanosoma brucei, rabbits, chronic infections, urine volume, urinary kallikrein, effects of inhibitors on properties, excretion of elevated levels of urinary kallikrein considered to be due to glomerular damage and possibly to activation of plasma kallikrein by parasite and by parasite/antibody complexes

Kidney
Wright, I. G.; and Goodger, B. V., 1979, Ztschr. Parasitenk., v. 59 (2), 115-119
Babesia bovis, splenectomised calves (exper.), urine analysis, kidney histopathology

Kinetoplast
Benard, J.; Riou, G.; and Saucier, J. M., 1979, Nucleic Acids Research, v. 6 (5), 1941-1952
Trypanosoma cruzi at different stages of culture and grown in presence of ethidium, kinetoplast DNA, characterization by sedimentation analysis

Kinetoplast
Borst, P.; and Fase-Fowler, F., 1979, Biochim. et Biophys. Acta, v. 565 (1), 1-12
Trypanosoma brucei brucei, fragment map of maxi-circle component from kinetoplast DNA networks

Kinetoplast
Docampo. R.; de Boiso, J. F.; and Stoppani, A. O. M., 1978, Biochim. et Biophys. Acta, v. 502 (3), 466-476
Trypanosoma cruzi, tricarboxylic acid cycle operation at kinetoplastmitochondrion complex: effect of ethidium bromide on growth and cytochrome content, substrate oxidation by dyskinetoplastic and cytochrome-deficient epimastigotes

Kinetoplast
Donelson, J. E.; Majiwa, P. A. O.; and Williams, R. O., 1979, Plasmid, v. 2 (4), 572-588
Trypanosoma brucei, kinetoplast DNA minicircles share regions of sequence homology

Kinetoplast
Englund, P. T., 1978, Cell, v. 14 (1), 157-168
Crithidia fasciculata, replication of kinetoplast DNA networks

Kinetoplast
Englund, P. T., 1979, J. Biol. Chem., v. 254 (11), 4895-4900
Crithidia fasciculata, free minicircles of kinetoplast DNA

Kinetoplast
Fairlamb, A. H.; et al., 1978, J. Cell Biol., v. 76 (2), 293-309
Trypanosoma brucei brucei bloodstream form, kinetoplast DNA, isolation and characterization, comparison with T. b. equiperdum, concluded that maxi-circle of trypanosomes is genetic equivalent of mitochondrial DNA of other organisms

Kinetoplast
Fouts, D. L.; and Wolstenholme, D. R., 1979, Nucleic Acids Research, v. 6 (12), 3785-3804
Crithidia acanthocephali, evidence for partial RNA transcript of small circular component of kinetoplast DNA

Kinetoplast
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Mesocestoides corti, life cycle in Canis familiaris

Life cycle, Cestoda
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Life cycle, Cestoda
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Hymenolepis peromysci, growth and development of cysticercoids in Tribolium confusum (exper.) and of adult worms in Mesocricetus auratus (exper.)

Life cycle, Cestoda
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Trichocephaloides megalocephala, Chironomus sp. identified as intermediate host: northwestern Chukotka

Life cycle, Cestoda
Wisniewski, R. J., 1970, Acta Parasitol. Polon., v. 18 (27-41), 315-322
Hamatolepis teresoides, attempted exper. infection of 10 potential intermediate hosts, development to cysticercoid only in Heterocypris incongruens, inhibited development in Cypridopsis vidua, Dolerocypris fasciata, and Notodromas monacha

Life cycle, Cestoda
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Nematoparataenia southwelli, Gastrotaenia paracygni, life cycle studies, development in intermediate hosts

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Oceanobdella sexoculata on Macrozoarces americanus, evidence that two generations of leeches occurred each year in wild and laboratory populations

Life cycle, Miscellaneous phyla
van der Lande, V. M., 1976, J. Zool., London, v. 180 (4), 537-563
Marsupiobdella africana, morphology, life history, localization, host specificity (Xenopus toads)

Life cycle, Miscellaneous phyla
Luetzen, J., 1979, Ophelia, v. 18 (1), 1-51
Enteroxenos oestergreni in Stichopus tremulus and E. parastichopoli in Parastichopus californicus, detailed life history, frequency, infection sites, reproduction, metamorphosis of male larvae completed by implantation in female's central cavity, biology and anatomy of male E. oestergreni; biology compared with other species of Entoconchidae; effect of E. oestergreni on host

Life cycle, Nematoda
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Ascaris lumbricoides, A. suum, Toxocara canis, larvae, early ecdyses, 2 distinct cuticles at extremities, probably 2 ecdyses before eclosion, third stage as infective form, and 5 ecdyses in life cycle

Life cycle, Nematoda
Arizono, N., 1976, Kiseichugaku Zasshi (Japan. J. Parasitol.), v. 25 (4), 274-282
Strongyloides planiceps, differentiation into three developmental types (free-living males, free-living females, and infective larvae), effects of quantity of food (feces) and population density

Life cycle, Nematoda
Arizono, N., 1976, Kiseichugaku Zasshi (Japan. J. Parasitol.), v. 25 (4), 328-335
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Life cycle, Nematoda
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Onchocerca gutturosa, cattle, successful experimental infection of Culicoides nubeculosus (probable vector rather than Simulium ornatum); description of infective stage in comparison with O. volvulus and O. cervicalis

Life cycle, Nematoda
Bain, O.; Petit, G.; and Poulain, B., 1978, Ann. Parasitol., v. 53 (4), 421-430
Onchocerca of cattle, redescription of female and microfilariae of O. lienalis, differentiation from O. gutturosa (in addition to morphologic differences, the 2 species have different localizations of adults and of microfilariae and probably have different vectors), consequences of validity of both species (that in England in Simulium ornatum is probably O. lienalis not O. gutturosa)

Life cycle, Nematoda
Baker, M. R., 1978, Canad. J. Zool., v. 56 (5), 1026-1031
Oswaldocruzia pipiens, development and transmission in amphibians, prevalence and intensity in different months and in different host size classes: near Guelph, Ontario

Life cycle, Nematoda
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Cosmocercoides dukae, demonstration of apparently independent life cycles in molluscs and amphibians: marsh near Guelph, Ontario, Canada

Life cycle, Nematoda
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Subulura suctoria, development and morphology of larval stages in Alphitobius diaperinus, effect of temperatures on length of larval development

Life cycle, Nematoda
Barus, V.; and Blazek, K., 1971, Folia Parasitol., v. 18 (3), 215-226
Crenosoma striatum, life cycle, morphology in intermediate and definitive host, pathogenicity in organism of definitive host

Life cycle, Nematoda
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Rugopharynx rosemariae new species, life cycle stages and associated pathology

Life cycle, Nematoda
Bhaibulaya, M.; and Indra-Ngarm, S., 1979, Internat. J. Parasitol., v. 9 (4), 321-322
Capillaria philippinensis, Amaurornis phoenicurus and Ardeola bacchus as experimental definitive hosts, prepatent periods, occurrence of autoinfection, development of protective immunity

Life cycle, Nematoda
Bhaibulaya, M.; Indra-ngarm, S.; and Ananthapruti, M., 1979, Internat. J. Parasitol., v. 9 (2), 105-108
Capillaria philippinensis, freshwater fish of Thailand as experimental intermediate hosts

Life cycle, Nematoda
Birova, V.; and Calvo, A., 1979, Poeyana (191), 10 pp.
Strongyloides avium in Gallus gallus f. domestica, some aspects of life cycle: observation of molt in host; pattern of oviposition of parasitic female

Life cycle, Nematoda
Birova, V.; Calvo, A.; and Ovies, D., 1979, Poeyana (190), 1-16
Tropisurus confusus, developmental cycle in Porcellionides pruinosus (exper.)

Life cycle, Nematoda
Cheng, T. C., 1976, J. Milk and Food Tech., v. 39 (1), 32-46
Anisakidae, review of life cycle

Life cycle, Nematoda
Clayton, H. M.; and Duncan, J. L., 1979, Internat. J. Parasitol., v. 9 (4), 285-292
Parascaris equorum in worm-free pony foals (exper.), migration and development

Life cycle, Nematoda
Cooper, C. L.; Crites, J. L.; and Sprinkle-Fastkie, D. J., 1978, J. Parasitol., v. 64 (1), 102-107
Eustrongylides tubifex, third and fourth stage larvae, prevalence and intensity in various age/size classes of fish hosts with possible factors responsible for results, site selection, emergence behavior in relation to temperature as possible adaptation to facilitate rapid infection of definitive warm-blooded host upon ingestion of infected fish

Life cycle, Nematoda
Crichton, V. F. J.; and Beverley-Burton, M., 1977, J. Wildlife Dis., v. 13 (3), 273-280
Dracunculus insignis in Procyon lotor (legs), pathology, seasonal prevalence, experimental transmission to copepods and possible paratenic hosts: southern Ontario

Life cycle, Nematoda
Cross, J. H.; Banzon, T.; and Singson, C., 1978, J. Parasitol., v. 64 (2), 208-213
Capillaria philippinensis, development in Meriones unguiculatus given larvae from experimentally infected Hypselotris bipartita or fed naturally infected H. bipartita, autoinfection is integral part of life cycle, parasite can also be maintained in laboratory by serial passage from gerbil to gerbil, erratic and short-lasting infections developed in Rattus norvegicus and R. rattus exposed to infection with larvae from experimentally infected fish: Philippines

Life cycle, Nematoda
Denke, A. M.; and Bain, O., 1978, Ann. Parasitol., v. 53 (6), 757-760
Onchocerca ochengi, development in Simulium damnosum s.l.

Life cycle, Nematoda
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Life cycle, Nematoda
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Spinitectus ranae, life cycle, morphology

Life cycle, Nematoda
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Necator americanus, Ancylostoma duodenale, life history data compiled and then analyzed in light of 2 ecological theories (r and K selection; body size and energy constraints on reproduction), implications that different reproductive strategies in 2 sympatric parasites have for epidemiological parasitology, value of population ecology in epidemiological investigations

Life cycle, Nematoda
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Onchocerca gutturosa, natural and experimental infections of arthropod vectors and experimental infection of cattle: Uzbekistan

Life cycle, Nematoda
Jogis, V. A., 1972, Parazitologiia, Leningrad, v. 6 (6), 546-548
Porrocaecum ensicaudatum, intermediate host specificity, limited to oligochaetes of order Lumbricomorpha

Life cycle, Nematoda
Kolevatova, A. I., 1974, Parazitologiia, Leningrad, v. 8 (1), 49-52
Metastrongylus elongatus, larvae in Eisenia foetida under laboratory conditions retain their ability to infect pigs and guinea pigs for up to 7 years

Life cycle, Nematoda
Larchenko, T. T., 1971, Trudy Gel'mint. Lab., Akad. Nauk SSSR, v. 21, 58-59
Oxyspirura schulzi, life cycle

Life cycle, Nematoda
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Sulcascaris, generic identification of larvae from marine molluscs, classification discussed, third- and fourth-stage larvae from molluscs described and compared with S. sulcata from marine turtles

Life cycle, Nematoda
Lincoln, R. C.; and Anderson, R. C., 1975, Canad. J. Zool., v. 53 (4), 385-390
Physaloptera maxillaris, development to infective stage in Gryllus pennsylvanicus (ileum) (exper.), description of larval stages

Life cycle, Nematoda
Lowrie, R. C., jr.; Eberhard, M. L.; and Orihel, T. C., [1979], J. Parasitol., v. 64 (6), 1978, 1003-1007
Tetrapetalonema marmosetae, development to infective stage in Culicoides hollensis and C. furens (thoracic flight muscles) (both exper.), results suggest species of Culicoides are probable natural vectors and also open way for laboratory maintenance of this parasite

Life cycle, Nematoda
Machida, M.; et al., 1978, Bull. National Sc. Mus., Tokyo, s. A, Zool., v. 4 (1), 1-9
Streptopharagus pigmentatus, description, life cycle

Life cycle, Nematoda
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Cucullanus minutus, C. heterochrous: Scotland

Life cycle, Nematoda
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Trichinella spiralis, new views on life cycle with remarks on epidemiology and population dynamics; synonymy

Life cycle, Nematoda
Malloy, D., 1979, J. Nematol., v. 11 (4), 321-328
Mesomermis camdenensis n. sp., life cycle, bionomics

Life cycle, Nematoda
Melendez, R. D.; and Lindquist, W. D., 1979, J. Parasitol., v. 65 (1), 85-88
Ascaridia columbae in intravenously infected Columba livia, larvae completed tracheal migration and arrived at small intestine where they established patent infection, histopathological description of lung granulomas

Life cycle, Nematoda
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Gongylonema ivaschkini sp. n., larval stages and life cycle

Life cycle, Nematoda
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Isomermis sp. in larvae and adults of Simulium damnosum (nat. and exper.), life cycle: riviere Marahoue dans le centre de la Cote d'Ivoire

Life cycle, Nematoda
Moravec, F., 1971, Folia Parasitol., v. 18 (2), 107-112
Cystidicoloides tenuissima, life history, seasonal changes in incidence, mean intensity of infection, maturation: vicinity of Hruba Voda, Czechoslovakia

Life cycle, Nematoda
Morozov, Iu. F., 1960, Uchen. Zapiski Gor'kovsk. Gosudarstv. Pedagog. Inst. im. M. Gor'kii, v. 27, 17-28
Rictularia amurensis, life cycle, description of 1st, 2nd, and 3rd stage larvae

Life cycle, Nematoda
Nazarova, N. S., 1960, Uchen. Zapiski Gor'kovsk. Gosudarstv. Pedagog. Inst. im. M. Gor'kii, v. 27, 121-132
Spirocerca lupi, life cycle, development in intermediate and final hosts, description of egg, 1st, 2nd, and 3rd stage larvae

Life cycle, Nematoda
Omar, M. S.; and Zielke, E., 1978, Tropenmed. u. Parasitol., v. 29 (3), 364-370
Wuchereria bancrofti larvae, abortive development in refractory strain of Culex pipiens fatigans (exper.) from Liberia, West Africa

Life cycle, Nematoda
Petersen, J. J.; and Chapman, H. C., 1970, Mosquito News, v. 30 (3), 420-424
Gastromermis sp. in anopheline larvae, parasite sex ratio, life cycle, value as possible biological control agent: southwestern Louisiana

Life cycle, Nematoda
Platt, T. R.; and Samuel, W. M., 1978, Exper. Parasitol., v. 46 (2), 330-338
Parelaphostrongylus odocoilei, life cycle (prepatent period, duration of patency, larval production), comparison in different cervids, Odocoileus virginianus dacotensis was refractory to infection

Life cycle, Nematoda
Poelvoorde, J., 1978, Vet. Parasitol., v. 4 (4), 369-376
Oesophagostomum dentatum, isolation of pure strain, several morphological characteristics (statistical analysis of variation in measurements), life cycle

Life cycle, Nematoda
Poinar, G. O., jr., 1977, Canad. J. Zool., v. 55 (9), 1475-1479
Empidomermis cozii n. gen., n. sp., life cycle, parasitized adult female Anopheles funestus were sterilized and died soon after nematodes emerged

Life cycle, Nematoda
Poinar, G. O., jr.; and Brooks, W. M., 1977, IRCS J. Med. Sc., v. 5 (10), 473
Neoaplectana glaseri, xenic field population recovered from parasitized larvae of the spring rose beetle; life cycle, morphometric study, may be useful as biologic control agent for insect pests living in soil

Life cycle, Nematoda
Pybus, M. J.; Uhazy, L. S.; and Anderson, R. C., 1978, Canad. J. Zool., v. 56 (6), 1420-1429
Truttaedacnitis stelmioides, seasonal prevalence, intensity, life cycle studies

Life cycle, Nematoda
Ramaswamy, K.; and Sundaram, R. K., 1979, Indian Vet. J., v. 56 (5), 363-366
Tetrameres mohtedai, successful completion of life cycle using Porcellio laevis and White Leghorn chicks (both exper.), larval development and measurements, simultaneous infection of both hosts with Acuaria spiralis

Life cycle, Nematoda
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Contracaecum micropapillatum, life cycle

Life cycle, Nematoda
Semenova, M. K., 1973, Trudy Gel'mint. Lab., Akad. Nauk SSSR, v. 23, 136-140
Contracaecum micropapillatum, life cycle studies, experimental infection with third stage larvae in various reservoir (transport) hosts, aquatic invertebrates and vertebrates

Life cycle, Nematoda
Slobodianiuk, O. V., 1973, Trudy Gel'mint. Lab., Akad. Nauk SSSR, v. 23, 155-159
Parasitaphelenchus papillatus, development of various stages in body cavity of Blastophagus piniperda or in its tunnels and frass

Life cycle, Nematoda
Slobodianiuk, O. V., 1974, Trudy Gel'mint. Lab., Akad. Nauk SSSR, v. 24, 160-168
Parasitorhabditis, life cycles classified

Life cycle, Nematoda
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Labiostrongylus eugenii in Macropus eugenii: Kangaroo Island, Australia

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Hasstilesia ochotonae, life cycle, description of developmental stages

Life cycle, Nematoda
Sonin, M. D., 1971, Trudy Gel'mint. Lab., Akad. Nauk SSSR, v. 21, 96-98
Hamatospiculum cylindricum, description, life cycle

Life cycle, Nematoda
Sonin, M. D., 1973, Trudy Gel'mint. Lab., Akad. Nauk SSSR, v. 23, 159-174
Filariata, ecological relationships of intermediate and definitive hosts, review

Life cycle, Nematoda
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Strongyloides stercoralis, life cycle, larval survival and development under different conditions of temperature, humidity, and pH in soil, water, feces, hogwash, and cow dung, potential for transmission under climatic conditions of Poland

Life cycle, Nematoda
Sprent, J. F. A., 1978, J. Helminth., v. 52 (4), 355-384
Polydelphis, Travassosascaris n. gen., Hexametra, life history, description

Life cycle, Nematoda
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Ancylostoma caninum, longevity and infectivity of tissue phase larvae in guinea pigs and swine, both shown to be potential paratenic hosts

Life cycle, Nematoda
Supriaga, V. G.; and Mozgovoi, A. A., 1974, Parazitologiia, Leningrad, v. 8 (6), 494-503
Raphidascaris acus, morphology of larval stages, life cycle, role of paratenic hosts

Life cycle, Nematoda
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Skrjabillanidae, life cycle and morphology studies

Life cycle, Nematoda
Uhazy, L. S., 1977, Canad. J. Zool., v. 55 (2), 265-273
Philometroides huronensis, morphology, growth, and development of larval stages in copepods, transmission to Catostomus commersoni held at controlled temperatures and photoperiods

Life cycle, Nematoda
Uhazy, L. S., 1977, Canad. J. Zool., v. 55 (9), 1430-1441
Philometroides huronensis in Catostomus commersoni, prevalence and intensity of all stages, host age, season, annual life cycle

Life cycle, Nematoda
Varma, S.; Malik, P. D.; and Lal, S. S., 1976, Haryana Agric. Univ. J. Research, v. 6 (3-4), 246-247
Ascarops strongylina, white mice (exper.), reencystment of juveniles with no further development, possible paratenic host

Life cycle, Nematoda
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Dentostomella translucida in captive Mongolian gerbils, case reports, life cycle

Life cycle, Protozoa
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Life cycle, Protozoa
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Amblyospora sp., development, ultrastructure, and mode of transmission in Culex salinarius

Life cycle, Protozoa
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Minchinia nelsoni in Crassostrea virginica (susceptible imports, native oysters and progeny), seasonal patterns of morbidity and mortality, survival of early generations in MSX-prevalent areas suggests that acquired resistance is involved; hypotheses on origin infection and life cycle of pathogen: Virginia waters

Life cycle, Protozoa
Arnaus, V. R. S.; and Voronoff, S., 1975, Rev. Brasil. Med., v. 32 (1), 23-25
Toxoplasma gondii, essential role of cat in life cycle and in transmission to man

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Life cycle, Protozoa
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Karyolysus sp. trophozoites, interaction with lizard liver cells during host hibernation: lake Sevan, Armenia

Life cycle, Protozoa
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Glugea atherinae n. sp., ultrastructure, life cycle

Life cycle, Protozoa
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Eimeria intricata, sheep (exper.), sporogony

Life cycle, Protozoa
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Trypanosoma cruzi, life cycle in vertebrate and invertebrate hosts, influence of parasite strains, host genetic factors, bacterial flora, and parasite morphology on host susceptibility

Life cycle, Protozoa
Burreson, E. M., 1979, J. Protozool., v. 26 (3), 343-347
Trypanoplasma beckeri sp. n., structure, life cycle, leech vector

Life cycle, Protozoa
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Sarcocystis dispersa in mice, asexual multiplication directly in cytoplasm of hepatic cells without formation of parasitophorous vacuole, new process of endogenesis (multiple synchronous endopolygenesis)

Life cycle, Protozoa
Chernysheva, N. B., 1973, Parazitologiia, Leningrad, v. 7 (6), 485-488
Sphaerospora cristata, plasmodia and spores found in Lota lota (kidneys), life cycle, host age, infection rate increases during winter: lake Vrevo, Leningradsk oblast

Life cycle, Protozoa
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Dactylosoma ranarum, life cycle forms related to Toxoplasma

Life cycle, Protozoa
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Trypanosoma rangeli, Peruvian strain, growth and development in Rhodnius ecuadoriensis (hemocele, glandulas salivares) (exper.)

Life cycle, Protozoa
Dissanaike, A. S.; and Kan, S. P., 1978, Ztschr. Parasitenk., v. 55 (2), 127-138
Sarcocystis levinei n. sp., life cycle

Life cycle, Protozoa
Deane, M. P.; et al., 1971, Rev. Inst. Med. Trop. S. Paulo, v. 13 (2), 110-113
Toxoplasma gondii, kittens (exper.), gametogonic cycle

Life cycle, Protozoa
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Eimeria dispersa, life cycle in turkeys

Life cycle, Protozoa
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Eimeria dispersa, turkey strain, life cycle compared in chickens, Alectoris graeca, Phasianus colchicus, and Colinus virginianus (all exper.)

Life cycle, Protozoa
Dubey, J. P., 1978, Parasitology, v. 77 (1), 1-11
Isospora ohioensis, life cycle, endogenous stages in dog following oocyst-induced and mouse-induced infections, occurrence throughout small intestine, caecum, and colon, extraintestinal stages not found but biological evidence indicated invasion of spleens and mesenteric lymph nodes of dogs fed oocysts

Life cycle, Protozoa
Dubey, J. P., 1979, J. Protozool., v. 26 (3), 433-443
Isospora rivolta, life cycle in cats and mice, pathogenicity for newborn but not for weaned cats

Life cycle, Protozoa
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Toxoplasma gondii, direct development of enteroepithelial stages in intestines of cats (exper.), hypothesis of extraintestinal pregametogonic stages not confirmed

Life cycle, Protozoa
Dubey, J. P.; and Mehlhorn, H., 1978, J. Parasitol., v. 64 (4), 689-695
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Life cycle, Protozoa
Dubremetz, J. F.; and Elsner, Y. Y., 1979, J. Protozool., v. 26 (3), 367-376
Eimeria bovis, schizogony and merogenesis in cell culture, ultrastructural study

Life cycle, Protozoa
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Sarcocystis-infected muscles from Molothrus ater, Cassidix mexicanus, Quiscalus quiscula, and Anas acuta produced patent infections when fed to Didelphis virginiana but infected muscle from A. carolinensis and Spatula clypeata did not, sporocysts of cowbird and grackle origin designated as S. debonei, those of duck origin not given species designation, opossum likely to be important definitive host for Sarcocystis of icterid birds: Texas

Life cycle, Protozoa
Ernst, J. V.; and Chobotar, B., 1978, J. Parasitol., v. 64 (1), 27-34
Eimeria utahensis, endogenous life cycle in Dipodomys ordii (exper.)

Life cycle, Protozoa
Evans, D. A.; Ellis, D. S.; and Stamford, S., 1979, J. Protozool., v. 26 (4), 557-563
Trypanosoma congolense, development in Glossina morsitans morsitans, ultrastructure

Life cycle, Protozoa
Fayer, R., 1977, Proc. Helminth. Soc. Washington, v. 44 (2), 206-209
Sarcocystis bovicanis, calves (exper.), life cycle, first asexual generation

Life cycle, Protozoa
Ferguson, D. J. P.; et al., 1978, Acta Path. et Microbiol. Scand., v. 86B (1), 1-11
Eimeria brunetti, sporulation of oocysts, development of zygote and formation of sporoblasts, light and electron microscopy

Life cycle, Protozoa
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Eimeria brunetti, sporulation of oocysts, development into sporocyst, formation of sporozoite, light and electron microscopy

Life cycle, Protozoa
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Toxoplasma gondii, ultrastructure of sporocyst, initiation of sporozoite formation

Life cycle, Protozoa
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Hepatozoon erhardovae, incidence in Clethrionomys glareolus (blood), distribution of schizonts in lungs; accumulation of gametocytes in Ixodes ricinus (nat. and exper.) or Neotrombicula zachvatkini (nat. and exper.) after biting heavily infected C. glareolus; occasionally transmitted to non-specific host, Apodemus flavicollis (exper.), but only by specific vector, Megabothris turbidus (exper.): South-Western Styria and areas around Neusiedlersee

Life cycle, Protozoa
Frank, C., 1977, Ztschr. Parasitenk., v. 53 (3), 307-310
Hepatozoon sylvatici transmitted from naturally to experimentally infected Apodemus sylvaticus and A. flavicollis by Laelaps agilis; L. agilis transmission of H. sylvatici to non-specific host, Clethrionomys glareolus; gonads of female mites possibly have stimulating effect on protozoan development; schizonts from bone marrow and liver of Apodemus flavicollis differ in morphology

Life cycle, Protozoa
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Trypanosoma brucei, morphometric changes and loss of infectivity and of surface coat during transformation of bloodstream forms to procyclic culture forms in vitro

Life cycle, Protozoa
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Life cycle, Protozoa
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Frenkelia, schizonts and merozoites, electron microscopy

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Hirmocystis bengalensis n. sp., H. pitcharis n. sp., H. pseudoductis n. sp., life history

Life cycle, Protozoa
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Life cycle, Protozoa
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Life cycle, Protozoa
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Isospora lacazei, Carduelis carduelis (exper.), life cycle, ultrastructure of intestinal phases

Life cycle, Protozoa
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Eimeria leporis, life cycle in Lepus capensis (exper.), electron microscopy

Life cycle, Protozoa
Heydorn, A. O.; and Ipczynski, V., 1978, Berl. u. Munchen. Tierarztl. Wchnschr., v. 91 (8), 154-155
Sarcocystis suihominis, pigs (exper.), schizogony

Life cycle, Protozoa
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Sarcocystis suihominis, pigs (exper.), fine structure of schizonts and formation of merozoites within various host organs

Life cycle, Protozoa
Hilali, M.; Ghaffar, F. A.; and Scholtyseck, E., 1979, Acta Vet., Budapest, v. 27 (3), 233-243
Isospora canis, fine structure of endogenous stages in dog small intestine

Life cycle, Protozoa
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Didymophyes gigantea, electron microscopy of developmental stages of trophozoite, fine structure of deutomerite, nuclear division, Golgi apparatus

Life cycle, Protozoa
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Myxidium zealandicum, fine structure of sporogony and polar capsule development, trophozoite and cyst envelope structures

Life cycle, Protozoa
Ismailov, S. G., 1974, Parazitologiia, Leningrad, v. 8 (3), 261-265
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Eimeria vermiformis, development from sporozoite to mature first-generation schizonts in cell cultures

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Life cycle, Protozoa
Khan, R. A., 1978, J. Parasitol., v. 64 (1), 35-44
Haemogregarina uncinata sp. n., life cycle, leech (Johanssonia sp.) as probable vector

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Haemogregarina sachai n. sp., life cycle

Life cycle, Protozoa
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Haemogregarina simondi, ultrastructure of developing stages

Life cycle, Protozoa
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Haemogregarina simondi, redescription of life cycle

Life cycle, Protozoa
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Life cycle, Protozoa
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Nosema parkeri, fine structure of sporogonic stages from Ornithodoros parkeri (exper.)

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Lanar, D. E., 1979, J. Protozool., v. 26 (3), 457-462
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Polychromophilus [sp.], schizogony

Life cycle, Protozoa
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Plasmodium falciparum, erythrocytic cycle in vitro, ultrastructure, comparison with in vivo (Aotus trivirgatus) life cycle stages

Life cycle, Protozoa
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Eimeria grenieri in Numida meleagris (intestine, caeca) (nat. and exper.), life cycle, reproduction rate, pathogenicity (severe depression of body weight gain), immunity to reinfection, treatment with sulphaquinoxaline in drinking water and robenidine in food: Britain

Life cycle, Protozoa
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Eimeria dispersa, isolation from turkeys in Britain, life cycle and reproduction, cross-protection against American strain, electrophoretic analysis of enzymes, host specificity studies, in vitro growth studies, gross pathology, pathogenicity, immunogenicity

Life cycle, Protozoa
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Sarcosporidia, life cycle and fine structure, review

Life cycle, Protozoa
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Sarcocystis suihominis, gamogony in human tissue cultures, electron microscopical study

Life cycle, Protozoa
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Life cycle, Protozoa
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Eimeria falciformis var. pragensis in Mus musculus (exper.), prepatent and patent periods, description of oocysts, location in host, merogony, first- to fourth-generation schizonts, microgametogony, macrogametogony; development in Rattus norvegicus progressed only as far as mature 1st-generation schizonts; comparison with other murine Eimeria

Life cycle, Protozoa
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Toxoplasma gondii in tissue culture, life cycle and development recorded by microcinematographic study in phase contrast

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Michajlow, W., 1978, Bull. Acad. Polon. Sc., Cl. II, s. Sc. Biol., v. 26 (4), 269-272
Eutreptia parasitica sp. n., development cycle

Life cycle, Protozoa
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Sarcocystis, sarcocysts derived from cats take between 8 and 14 months to reach infectivity in sheep

Life cycle, Protozoa
Norton, C. C.; Catchpole, J.; and Joyner, L. P., 1979, Parasitology, v. 79 (2), 231-248
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Mesastasia mirabilis sp. n., life cycle

Life cycle, Protozoa
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Sarcocystis spp., domestic animals, review of life cycle and differential characters from Toxoplasma gondii and Hammondia hammondi

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Pilley, B. M., 1976, J. Invert. Path., v. 28 (2), 177-183
Vairimorpha necatrix [n. comb.] in Spodoptera exempta, pathogenicity (occurrence of bacteriosis and cytoplasmic polyhedrosis virus), life cycle (disporoblastic life cycle at 25°C and both disporoblastic and octosporoblastic life cycle at 20°C), implications of polymorphism in relation to classification of Microsporida

Life cycle, Protozoa
Pohlenz, J.; et al., 1978, Vet. Path., v. 15 (3), 417-427
Cryptosporidium sp., calves (free in lumen and attached to epithelium of ileum), life cycle, morphology, pathology, diarrhea, transmission and scanning electron microscopy

Life cycle, Protozoa
Pohlenz, J.; Moon, H. W.; and Bemrick, B., 1977, Proc. 14. Ann. Electron Micr. Colloq., 14-15
Cryptosporidium, bovine, ultrastructure of life cycle stages

Life cycle, Protozoa
Purrini, K.; and Ormières, R., 1979, Zool. Anz., Jena, v. 202 (5-6), 437-443
Farinocystis tenebrioides n. sp., life cycle, pathogenicity

Life cycle, Protozoa
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Trypanosoma rotatorium complex from frogs, experimental infection of hematophagous insects, course of development in Aedes aegypti gut, postulate transmission to frogs via ingestion of mosquitoes: Venezuela

Life cycle, Protozoa
Ribeiro, R. D.; Belda Neto, F. M.; and Barretto, M. P., 1977, Rev. Brasil. Biol., v. 37 (4), 907-912
Trypanosoma cruzi, life cycle in haemocoel of Panstrongylus megistus, development either extracellularly in haemolymphatic fluid or intracellularly in haemocytes

Life cycle, Protozoa
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cyst-forming coccidia, life cycle, taxonomy, comparative review

Life cycle, Protozoa
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Frenkelia microti, life cycle

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gregarines, possibly Nematopsis-Porospora group in Crassostrea virginica, seasonal pathology suggests that parasites overwinter in hibernating oysters, undergo vegetative growth in the spring, and then perish or undergo further development in an unknown host

Life cycle, Protozoa
Scarborough, A.; and Weidner, E., 1979, Biol. Bull., v. 157 (2), 334-343
Glugea hertwigi in Osmerus mordax, prevalence in ovaries of spawning female hosts, transmission to young smelt by direct ingestion of spores or by ingestion of spore-carrying zooplankton, parasite development and xenoma growth

Life cycle, Protozoa
Schein, E.; and Friedhoff, K. T., 1978, Ztschr. Parasitenk., v. 56 (3), 287-303
Theileria annulata, development in haemolymph and salivary glands of Hyalomma anatolicum excavatum, light microscopy; hypothetical diagram of cycle in ticks

Life cycle, Protozoa
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Life cycle, Protozoa
Scholtyseck, E.; and Hilali, M., 1978, Ztschr. Parasitenk., v. 56 (2), 205-209
Sarcocystis fusiformis, cats infected with cysts from Bubalus bubalis, ultrastructural study of sexual stages; first report describing sexual stages of Sarcocystis in final host

Life cycle, Protozoa
Scholtyseck, E.; and Ratanavichien, A., 1976, Tr. Am. Micr. Soc., v. 95 (4), Finley Mem. Issue, pt. 2, 553-556
Eimeria stiedai, rabbits, endodyogeny observed, confirms theory that endodyogeny is primary and fundamental process of asexual reproduction in the Coccidia and that schizogony is a secondary process which has developed from endodyogeny

Life cycle, Protozoa
Sherkov, S. N.; Leitch, B.; and Kokash, L., [1977], Egypt. J. Vet. Sc., v. 13 (1), 1976, 37-43
Sarcocystis tenella, kittens (exper.), development in intestines, life cycle; attempted parasite suppression using statyl and pancoxin plus

Life cycle, Protozoa
Sherlock, P. L., 1979, Parasitology, v. 78 (2), 207-220
Diplocystis tipulae sp. nov. from Tipula spp., morphology, life cycle, relationship with intestinal gregarines, synchrony between host and parasite developmental rates, pathology, host reactions

Life cycle, Protozoa
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Myxobolus exiguus, early stages of development in vitro

Life cycle, Protozoa
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Myxobolus exiguus, Ceratomyxa herouardi, synaptonemal complexes, electron microscopic observations, implications for life cycle and classification of myxosporidians

Life cycle, Protozoa
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Plasmodium falciparum, gametocyte and gamete development, ultrastructure of gametocytes from blood of naturally infected Gambians compared with immature forms from blood of chloroquine treated patient, functional morphology, cytogenetics, phylogeny

Life cycle, Protozoa
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Plasmodium falciparum, sporogonic development in Anopheles gambiae, scanning and transmission electron microscopy, first surface view of micropore of Plasmodium

Life cycle, Protozoa
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Sarcocystis sebeki from exper. infected Strix aluco, successful rodent to rodent (Apodemus sylvaticus) transmission by inoculation of precystic schizogonic stages

Life cycle, Protozoa
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Saurocytozoon tupinambi, study of initial infection in juvenile Tupinambis teguixin provides evidence that schizogonic cycle in circulating cells may occur, but identity of intralymphocytic asexual stages with this species cannot be established due to presence of concurrent infection by small Plasmodium species, if confirmed data would justify removing Saurocytozoon from Leucocytozoidae: Venezuela

Life cycle, Protozoa
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Life cycle, Protozoa
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Isospora burrowsi n. sp., life cycle

Life cycle, Protozoa
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Gregarina blaberae, life cycle, development

Life cycle, Protozoa
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coccidia, pigs (exper.), mixed infection with 4 spp., macro- and microgametocytic stages, mostly not identified to species

Life cycle, Protozoa
Voronin, V. N., 1971, Parazitologiia, Leningrad, v. 5 (2), 186-191
Thelohania contejeani in Astacus astacus (skeletal and cardiac muscles, ovaries and eggs) (nat. and exper.), prevalence, pathogenesis, developmental cycle, possibility of transovarian as well as oral transmission: Leningrad oblast

Life cycle, Protozoa
Vossen, M. E. M. H.; et al., 1978, Ztschr. Parasitenk., v. 55 (2), 101-118
Pneumocystis carinii, cortisone acetate-treated rats, elaborate ultrastructural studies, intracellular and extracellular stages, new life cycle proposed; direct pathogenicity in host cells indicated

Life cycle, Protozoa
Weber, G.; and Friedhoff, K. T., 1977, Ztschr. Parasitenk., v. 53 (1), 83-92
Babesia bigemina, ultrastructure of supposed sexual stages from gut of Boophilus microplus, comparison with developmental stage of Theileria annulata

Life cycle, Protozoa
Williams, G. W., 1942, J. Morphol., v. 70 (3), 545-589
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Life cycle, Protozoa
Wita, I., 1974, Acta Parasitol. Polon., v. 22 (35-44), 365-391
Paradistigma n. spp., life cycles, flagellate locomotion, attraction to specific copepod host, speculation on evolution to parasitism: Mazurian Lakes, Poland

Life cycle, Protozoa
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Parastasia kieviensis sp. n., developmental cycle

Life cycle, Protozoa
Yamamoto, T.; and Sanders, J. E., 1979, J. Fish Dis., v. 2 (5), 411-428
Ceratomyxa shasta, stages of development leading to sporogenesis, light and electron microscopy

Life cycle, Protozoa
Zasukhin, D. N.; Kaliakin, V. N.; and Akinshina, G. T., 1971, Parazitologiia, Leningrad, v. 5 (4), 302-309
Toxoplasma gondii, new concepts about developmental cycle, review of recent literature

Life cycle, Protozoa
Zizka, Z., 1977, Ztschr. Parasitenk., v. 54 (3), 217-228
Farinocystis tribolii in Tribolium castaneum, fine structure, developmental stages in sporogony, parasite-host relations (mitochondria of host concentrated around schizonts, consumption of host fat body by parasites, host development stopped)

Life cycle, Trematoda
Albaret, J. L.; et al., 1978, Ann. Parasitol., v. 53 (5), 495-510
Paramphistomum togolense n. sp.

Life cycle, Trematoda
Allison, F. R., 1979, N. Zealand J. Zool., v. 6 (1), 13-20
Curtuteria australis n. sp., life cycle

Life cycle, Trematoda
Badie, A., 1978, Ann. Parasitol., v. 53 (4), 373-385
Dicrocoelium lanceolatum, sheep, annual activity cycle of intermediate hosts (Cionella lubrica, Formica nigricans and F. cunicularia), seasonal variation in number of parasitized ants, effect of climatic factors (temperature, rainfall), application to forecasting method: Limousin

Life cycle, Trematoda
Baianov, M. G., 1975, Parazitologiia, Leningrad, v. 9 (2), 122-126
Prosotocus confusus, progenesis

Life cycle, Trematoda
Bartoli, P.; and Prevot, G., 1978, Ann. Parasitol., v. 53 (2), 181-193
Maritrema misenensis, ecological conditions required for life cycle, different intermediate hosts utilized in lagoon vs. marine habitat, method of infestation of second intermediate host, variation in parasitism of second intermediate host in relation to season and age and sex of host: region de Brusc, Provence, France

Life cycle, Trematoda
Bartoli, P.; and Prevot, G., 1978, Ztschr. Parasitenk., v. 58 (1), 73-90
Holorchis pycnoporus, life cycle, morphology of developmental stages

Life cycle, Trematoda
Baturo, B., 1977, Acta Parasitol. Polon., v. 24 (20-27), 203-220
Bucephalus polymorphus, Rhipidocotyle illense, life cycles, morphology and biology of developmental stages, discovered that cercaria described by Baer, 1927, as B. polymorphus is in fact larval stage of R. illense, proposal to retain name B. polymorphus and to replace R. illense with R. campanula submitted to International Commission on Zoological Nomenclature

Life cycle, Trematoda
Bourgat, R.; and Kulo, S. D., 1978, Ann. Parasitol., v. 53 (2), 195-200
Metahaematoloechus exoterorchis, life cycle

Life cycle, Trematoda
Brenes, R. R.; et al., 1967, Rev. Biol. Trop., v. 15 (1), 137-142
Fasciola hepatica, first report of intermediate host, exper. life cycle in rabbits; positive skin tests in over half of human inhabitants surveyed: Costa Rica

Life cycle, Trematoda
van den Broek, E.; and de Jong, N., 1979, J. Helminth., v. 53 (1), 79-89
Asymphylodora tincae, life cycle, morphology of various stages

Life cycle, Trematoda
Deblock, S., 1977, Publicaciones Espec. (4), Inst. Biol., Univ. Nac. Autonom. Mexico, 151-160
"microphallides", life cycles, review

Life cycle, Trematoda
Dronen, N. O., jr.; and Underwood, H. T., 1977, Proc. Helminth. Soc. Washington, v. 44 (2), 198-200
Cephalogonimus vesicaudus, life cycle

Life cycle, Trematoda
Dupouy, J.; and Combes, C., 1977, Ann. Sc. Nat., Zool. et Biol. Animale, 12. s., v. 19 (4), 397-400
Polystoma grassei, internal direct cycle of reproduction in urinary bladder of host, Leptopelis ocellatus: Kala, a proximite de Yaounde, Cameroun

Life cycle, Trematoda
El-Abdin, A. Z.; and Roushdy, M. Z., 1977, Egypt. J. Bilharz., v. 4 (2), 165-178
Schistosoma haematobium, optimum conditions for life cycle maintenance in Bulinus snails and laboratory mammals; hamsters more susceptible to infection than gerbils or mice

Life cycle, Trematoda
Evans, N. A., 1978, J. Zool., London, v. 184 (2), 143-153
Asymphylodora kubanicum, occurrence in Bithynia tentaculata (intermediate host) and Rutilus rutilus (intestine) (definitive host), seasonal variation, age of definitive host; annual cycle of occurrence and maturation in roach due primarily to host feeding habits and water temperature: Worcester-Birmingham canal 1 km south of Stoke Works, Bromsgrove

Life cycle, Trematoda
Fahmy, M. A. M.; et al., 1976, Acta Parasitol. Polon., v. 24 (1-10), 11-18
Gigantobilharzia sp., probably n. sp., recovered from chickens (exper.) infected with cercariae from Melania tuberculata, morphology, description of modified perfusion apparatus designed to collect trematodes from veins of chickens: branches of River Nile, Assiut Governorate, Egypt

Life cycle, Trematoda
Fournier, A.; and Combes, C., 1979, Compt. Rend. Acad. Sc., Paris, v. 289, s. D, Sc. Nat. (10), 745-747
Eupolystoma alluaudi, demonstration of embryonic developmental duality resulting in 2 types of larvae, one of which is responsible for internal cycle (multiplication in host by sexual reproduction) and one of which assures host-to-host transmission

Life cycle, Trematoda
Georgiev, B., 1978, Vet. Med. Nauki, v. 15 (10), 45-50
Fasciola hepatica, length of development in Galba truncatula (nat. and exper.), seasonal distribution of cercarial release, overwintering: Rhodope mountains; Thracian lowlands

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human hepatosplenic schistosomiasis mansoni, relationship between nuclear volumes and DNA contents of hepatocyte nuclei, comparison with normal liver and cirrhotic liver

Liver
Haider, Z.; and Fayyaz, A., 1978, J. Trop. Med. and Hyg., v. 81 (1), 13-15
E[ntamoeba] histolytica, latex agglutination test in persons with chronic obscure liver enlargement tentatively diagnosed as chronic non-suppurative amoebic hepatitis showed positive results in only 18%, existence of this diagnostic entity questioned: Pakistan

Liver
Hidayat, M. A.; and Wahid, H. A., 1971, Surg., Gynec. and Obst., v. 132 (6), 997-1004
bilharzic hepatic fibrosis, human, significance of associated vascular changes

Liver
Ishihara, K.; et al., 1978, Japan. J. Vet. Sc., v. 40 (2), 171-183
dirofilariasis, dogs with varying degrees of clinical severity, serum free cholesterol concentration, serum lecithin cholesterol acyltransferase activity, relationship to hepatic injury

Liver
Iwamura, K., 1977, Therapiewoche, v. 27 (38), 6618-6638
helminth infections of liver, humans, diagnosis, pathology, extensive clinical review

Liver
Jha, S. N.; et al., 1977, Kerala J. Vet. Sc., v. 8 (1), 119-125
F[asciola] gigantica, G[igantocotyle] explanatum, and Echinococcus granulosus in bovines, incidence, gross and microscopic pathology: Bihar, India

Liver
Joky, A.; et al., 1978, Experientia, v. 34 (4), 547-549
injection of polyvinylchloride particles in caecal vein of mice induces foreign-body portal granuloma reaction in liver, possible use as model for schistosome egg-induced liver pathology; plastic casts of portal systems of normal livers, Schistosoma mansoni-infected livers and PVC-implanted livers compared

Liver
Jones, L. G.; and Bogitsh, B. J., 1979, Ztschr. Parasitenk., v. 60 (2), 185-192
Schistosoma mansoni-infected mice, changes in hepatocytes adjacent to hepatic granulomas, light and electron microscopy

Liver
Kamel, I. A.; et al., 1978, Am. J. Trop. Med. and Hyg., v. 27 (5), 931-938
Schistosoma mansoni, S. haematobium, human, hepatic lesions with emphasis on Symmers' fibrosis, 400 autopsies: Egypt

Liver
Kameswari, M.; Ramulu, G. R.; and Rao, L. N., 1979, Indian J. Exper. Biol., v. 17 (9), 976-979
helminth-infected Rana tigerina, macromolecular changes in liver

Liver
Kimura, S.; and Shimizu, A., 1978, Science Rep. Fac. Agric., Kobe Univ., v. 13 (1), 167-173
Fasciola sp., goats (exper.), pathological changes in liver, tissue reaction to immature and adult flukes

Liver
Kublitskene, O.; et al., 1976, Med. Parazitol. i Parazitar. Bolezni, v. 45 (2), 153-157
Echinococcus granulosus, effects on rats (plasmocyte reaction, antibody in serum, liver glycogen content, serum transaminase)

Liver
Markiewicz, K.; Kuleta, Z.; and Romaniuk, K., 1975, Acta Parasitol. Polon., v. 23 (1-11), 177-182
Fasciola hepatica, cows, laboratory rats, serum ornithine carbamoyltransferase activity as indicator of extent of liver injury, anatomopathological and histopathological examinations

Liver
Nava, C.; Metlich, M. A.; and Marti M., M., 1974, Rev. Invest. Clin., v. 26 (2), 181-185
Fasciola hepatica, human, case report of hepatic distomiasis with eggs found also in the bile and biliary tract, emetine chlorhydrate therapy resulted in permanent cure; diagnostic considerations, emphasis on frequent association between parasitism and gallstones: Villa de Reyes, San Luis Potosi, Mexico

Liver
Olaeta Elizalde, R., 1973, Rev. Cir. Hosp. Juarez, Mexico (187-188), v. 44, 1972-1973, 54-58
human amoebiasis, diagnostic review of complications resulting from hepatic abscess (secondary bacterial infections, rupture of abscess into thoracic or abdominal cavity, infection spread to skin, formation of cerebral abscess)

Liver
Oomen, J. M. V.; Meuwissen, J. H. E. T.; and Gemert, W., 1979, Trop. and Geogr. Med., v. 31 (4), 587-606
males of 3 ethnic groups and 3 age groups inhabiting same locality, haematological status (including anemia), spleen and liver enlargement, immunoglobulin status, malaria parasite rates, other parasite infections, possible associations between these and other factors (including nutrition, sickle cell trait, altered immune response to malaria): Northern Nigeria

Liver
Playfair, J. H. L.; et al., 1979, Nature, London (5740), v. 282, 731-734
Plasmodium yoelii- or P. berghei-vaccinated mice, cell-mediated immunity in liver

Liver
Poliakova-Krusteva, O.; and Krustev, L., 1972, Virchows Arch. B, Cell Path., v. 11 (4), 334-342
Fasciola hepatica-infected rabbits, enzyme-histochemical studies of pathological process in liver

Liver
Pollacco, S.; et al., 1978, Internat. J. Parasitol., v. 8 (6), 457-462
Mesocestoides corti, collagenous encapsulation of tetrathyridia in mouse liver, probably restricts parasite's multiplication, is a T-cell dependent process

Liver
Premvati, G., 1979, J. Trop. Med. and Hyg., v. 82 (5), 105-109
Leishmania donovani-infected mice, correlation of hyperplasia, splenomegaly and hepatomegaly with parasite population, possible application to early diagnosis of human visceral leishmaniasis

Liver
Pricoli, T. I.; et al., 1973, Rev. Inst. Med. Trop. S. Paulo, v. 15 (4), 202-211
Schistosoma mansoni, human hepato-intestinal and hepato-splenic forms, comparative study of liver lysosomes, no significant differences between forms of infection or between normal and infected livers

Liver
Przyjalkowski, Z.; and Malinowska, A., 1977, Acta Parasitol. Polon., v. 25 (1-10), 69-77
Trichinella spiralis-infected germfree vs. conventional mice, some metabolites and enzymes of carbohydrate metabolism in liver and small intestine

Liver
Ramachandran, S.; and Edwards, R., 1978, J. Trop. Med. and Hyg., v. 81 (2-3), 40-41
Entamoeba histolytica, possible role of hepatic trauma in the genesis of hepatic abscess, clinical case report on man who developed acute abscess 2 weeks after receiving severe blow over hepatic region of thorax: Sri Lanka

Liver
Romboli, B.; and Guarda, F., 1977, Ann. Fac. Med. Vet. Torino, v. 24, 306-317
Schistosoma mansoni, chimpanzee, spontaneous infection, histopathology of liver, hepatitis

Liver
Salgado, J. A.; and Veloso, C., 1971, Rev. Soc. Brasil. Med. Trop., v. 5 (5), 271-289
hepatic schistosomiasis, survey of hospitalized patients for correlation between hepatic pathology and hypertension showed significantly higher blood pressures in patients without hepatic disease

Liver
Saltzman, D. A.; Smithline, N.; and Davis, J. R., 1978, Am. J. Digest. Dis., n.s., v. 23 (6), 561-567
multiple amoebic abscesses with secondary fulminant hepatic failure, man, fatal illness, diagnosis at post-mortem: area of Arizona-Mexican border

Liver
Sanz, H.; and Vizcaino, A., 1978, Rev. Hosp. Ninos, Buenos Aires (78), v. 20, 32-35
Ascaris lumbricoides, child, fatal hepatic abscess, clinical case report: Escobar, provincia de Buenos Aires

Liver
Shackelford, G. D.; and Kirks, D. R., 1977, Radiology, v. 122 (3), 753-757
congenital toxoplasmosis in twin infants with secondary neonatal hepatic calcification, clinical case reports

Liver
Sharma, O. P.; et al., 1978, Indian J. Exper. Biol., v. 16 (6), 665-667
Plasmodium berghei, mice, xanthine oxidase activity in liver

Liver
Singh, B. P.; and Ahluwalia, S. S., 1976, Haryana Agric. Univ. J. Research, v. 6 (3-4), 244-245
Orientobilharzia dattai in white mice and goats (both exper.), histopathological changes in the liver

Liver
Smith, T. M.; and Brown, J. N., 1978, Comp. Biochem. and Physiol., v. 59B (1), 51-53
Schistosoma mansoni, S. japonicum, absence of tyrosine aminotransferase (TAT) in adult flukes, effect of 10 week infections on TAT activity in livers of female mice

Liver
Stewart, G. L., 1976, Rice Univ. Studies, v. 62 (4), 211-224
Trichinella spiralis, mice, biochemical pathology: changes in liver and muscle glycogen and some blood chemical parameters

Liver
Surkova, A. M., 1972, Parazitologiia, Leningrad, v. 6 (2), 171-175
Eimeria tenella, E. mitis, chickens (exper.), changes in total, residual, and protein nitrogen content in liver, depends on stage of development of parasite, host age, and species of Coccidia

Liver
Triolo, G.; et al., 1973, Rendic. Gastro-enterol., v. 5 (2), 97-99
echinococcosis, human hepatic, complicated by allergic hepatitis, case reports, resolution of symptoms after excision of cysts

Liver
Uzoukwu, M.; and Ikeme, M. M., 1978, Bull. Animal Health and Prod. Africa, v. 26 (2), 162-167
Fasciola gigantica, Fulani Zebu cattle, hepatic changes in natural chronic infestations, gross lesions, histopathology: Nsukka abattoir, Nigeria

Liver
Weitberg, A. B.; et al., 1979, N. England J. Med., v. 300 (19), 1093-1096
Toxoplasma gondii, human acquired, case report, acute granulomatous hepatitis (trophozoites present in liver biopsy) and associated lymphadenopathy, patient had been employed at abattoir: El Salvador, immigrating to United States

Liver
Weitberg, A. B.; Alper, J. C.; and Diamond, I., 1980, N. England J. Med., v. 302 (3), 178-179 [Letter]
toxoplasmosis as cause of granulomatous hepatitis, reply to letter of Frenkel, J. K.; and Remington, J. S., 1980, N. England J. Med., v. 302 (3), 178

Liver
Wensvoort, P.; Over, H. J.; and van Strien, M. J., 1979, Vet. Quart., v. 1 (2), 75-81
Fasciola hepatica, cattle (exper.), character, extent, and localization of perilobular fibrosis in liver

Liver
Wyler, D. J.; Wahl, S. M.; and Wahl, L. M., 1978, Science (4366), v. 202, 438-440
Schistosoma mansoni, egg granulomas (obtained from livers of infected mice) secrete fibroblast stimulating factor in vitro, this suggests that hepatic granulomas may play role in development of hepatic fibrosis in schistosomiasis

Localization
Ader, P., 1979, Calif. Vet., v. 33 (11), 23-25, 32
Dirofilaria immitis, cat (brain), clinical signs, histopathology

Localization
Aikawa, M.; and Kilejian, A., 1979, Lysosomes Applied Biol. and Therap., v. 6, 31-48
parasitic protozoa, invasion procedures and intracellular localization, review: entry into host cell; resistance to intracellular host digestive enzymes; alteration of host cells and utilization of host cell resources

Localization
Allamand M., J.; and Lemus B., J., 1977, Rev. Med. Chile, v. 105 (7), 439-442
human pulmonary echinococcosis, surgical management of 450 cases, cyst localization, age and sex distribution of patients, surgical complications, criteria for surgical methods employed

Localization
Amin, O. M., 1978, J. Fish Dis., v. 1 (2), 195-197
Echinorhynchus salmonis in Oncorhynchus tshawytscha (intestine), maturation and localization in spawning vs. non-spawning hosts: Lake Michigan

Localization
Amin, O. M.; and Burrows, J. M., 1977, J. Fish. Research Bd. Canada, v. 34 (3), 325-331
Echinorhynchus salmonis in fishes, seasonal distribution and development, sex ratio, distribution in host intestine, host age and sex, pathogenicity: southwestern Lake Michigan

Localization
Anwar, M.; Rak, H.; and Gyorkos, T. W., 1979, Vet. Parasitol., v. 5 (2-3), 271-274
Gongylonema pulchrum in cattle, incidence, worm burden, marked overdispersed distribution, absence of seasonality, prediliction for distal portion of esophagus, no gross pathological lesions: central Tehran abbatoir, Iran

Localization
Asteriades, G.; and Charalambides, S., 1978, Ellen. Kteniatrike, v. 21 (1), 25-28
Sarcocystis [sp.], ram, stallion, localization in bulbocavernosus muscle, diagnosis: Greece

Localization
Atyeo, W. T.; and Windingstad, R. M., 1979, J. Parasitol., v. 65 (4), 650-658
4 new species of feather mites from Grus canadensis tabida, site preferences on 6th and 7th primaries, resource partitioning

Localization
Bain, O.; Petit, G.; and Poulain, B., 1978, Ann. Parasitol., v. 53 (4), 421-430
Onchocerca of cattle, redescription of female and microfilariae of O. lienalis, differentiation from O. gutturosa (in addition to morphologic differences, the 2 species have different localizations of adults and of microfilariae and probably have different vectors), consequences of validity of both species (that in England in Simulium ornatum is probably O. lienalis not O. gutturosa)

Localization
Baird, C. R., 1979, J. Parasitol., v. 65 (4), 639-644
Cuterebra tenebrosa, incidence in Neotoma cinerea from April to November of 1970 and 1971, experimental infections attempted in captive rodents and rabbits, dosage level and effect on hosts, larval migration, site of larval development, acquired immunity, egg viability

Localization
Banks, K. L., 1978, J. Protozool., v. 25 (2), 241-245
Trypanosoma congolense, rats, rabbits, localization of parasite in microvasculature is established by attachment of the organism to the vessel wall

Localization
Bauch, R. J., 1973, Ang. Parasitol., v. 14 (4), 208-213
Ixodes ricinus larvae on Apodemus flavicollis and Clethrionomys glareolus, seasonal occurrence, localization on host body: DDR-Bezirk Magdeburg

Localization
Beveridge, I., 1979, J. Helminth., v. 53 (3), 229-244
Hypodontus macropi, synonymy, redescription, host and geographic distribution, distribution within host, method of attachment, gross and histopathological changes, description of free-living larval stages

Localization
Beverley-Burton, M.; and Pippy, J. H. C., 1978, Environment. Biol. Fish., v. 3 (2), 211-222
Anisakis simplex in Salmo salar, sites of infection, prevalence, variation in mean numbers of larvae per fish in relation to host's sex, age, geographic locality, and year and season of capture; mean numbers as biological indicator of host stock composition: 14 sampling stations, North Atlantic

Localization
Bhopale, M. K.; and Johri, G. N., 1978, J. Helminth., v. 52 (2), 109-113
Ancylostoma caninum, distribution of larvae in central nervous system of mice infected with single or repeated doses

Localization
Bhopale, M. K.; and Johri, G. N., 1978, J. Helminth., v. 52 (3), 193-198
Ancylostoma caninum, mice, different groups infected with various single or repeated doses of larvae, larval recoveries from various organs and muscle regions of animals belonging to immunized and unimmunized groups

Localization
Borgsteede, F. H. M.; and Hendriks, J., 1979, Parasitology, v. 78 (3), 331-342
Cooperia oncophora, calves (exper.), single infections with 2 graded doses of larvae, weight gains, egg output, haematology, worm counts and host reaction against worm burden, worm measurements, distribution of worms in small intestine

Localization
Bortoletti, G.; and Diaz, G., 1978, Internat. J. Parasitol., v. 8 (6), 433-436
Echinococcus granulosus, stereological investigation of increase in surface area due to microtriches of hydatid cysts in different organs (lung vs. liver) and in different hosts (man, pigs, sheep): Sardinia

Localization
Brenes M., R. R.; et al., 1977, Publicaciones Espec. (4), Inst. Biol., Univ. Nac. Autonom. Mexico, 401-407
Ascaris lumbricoides, 40-year-old woman, unusual localization in calcified nodules in subcutaneous tissue, case report: San Jose

Localization
van den Broek, W. L. F., 1979, J. Fish Biol., v. 14 (4), 371-380
copepods of Merlangius merlangus and Platichthys flesus, seasonal changes in levels of infestation related to annual migrations of young fish into estuary, localization, age of host: Medway Estuary, Kent

Localization
Bulman, G. M.; and Walker, J. B., 1979, J. South African Vet. Ass., v. 50 (2), 107-108
Otobius megnini, dairy cattle, larvae and nymphae found feeding under host tail: Cochabamba, Bolivia

Localization
Campos, R.; et al., 1971, Rev. Soc. Brasil. Med. Trop., v. 5 (6), 315-317
Schistosoma mansoni, viable eggs discovered in sperm of man with intestinal schistosomiasis, epidemiologic implications: Brazil

Localization
Cawthorn, R. J.; and Anderson, R. C., 1977, Canad. J. Zool., v. 55 (2), 368-375
Physaloptera maxillaris in Acheta pennsylvanicus and Blatella germanica, site of development, survival of larvae, and host cellular reactions

Localization
Chandrasoma, P. T.; and Mendis, K. N., 1978, Am. J. Trop. Med. and Hyg., v. 27 (4), 770-773
filarial infection of breast, 13 cases (5 identified as Wuchereria bancrofti), clinical, pathologic, and parasitologic features: Sri Lanka

Localization
Christensen, H. A.; and Herrer, A., 1976, J. Med. Entom., v. 13 (3), 299-303
Endotrypanum schaudinni in Choloepus hoffmanni, infection acquired in laboratory-reared Lutzomyia sanguinaria, L. gomezi, and L. trapidoi during xenodiagnostic trials, infection rates and localization of flagellates in sand fly gut

Localization
Czaplinski, B., 1975, Acta Parasitol. Polon., v. 23 (26-40), 305-327
Hymenolepididae of wild Cygnus olor, extensiveness and intensity of infestation, age and sex of host, seasonal variation, distribution within digestive tract: Poland

Localization
Dartnall, H. J. G.; and Walkey, M., 1979, J. Zool., London, v. 189 (1), 31-37
Anodonta cygnea glochidia on Gasterosteus aculeatus, incidence and intensity, seasonal variation, effect of fish size, distribution on host: Shoulder of Mutton Pond in Epping Forest, Essex

Localization
Despommier, D. D.; Sukhdeo, M.; and Meerovitch, E., 1978, Exper. Parasitol., v. 44 (2), 209-215
Trichinella spiralis, site selection by larva during enteral phase of infection in mice, all stages were embedded between lamina propria and columnar epithelium

Localization
Desser, S. S., 1978, J. Parasitol., v. 64 (5), 933-935
eimeriid coccidia, evidence of extraintestinal development in pigs and chamois (liver)

Localization
Deutsch, W. G., 1978, Proc. Pennsylvania Acad. Sc., v. 52 (1), 57-59
Lernaea cyprinacea on Catostomus commersoni and Carpiodes cyprinus, incidence and intensity of infection, host sex, seasonal distribution, infection sites on hosts: Susquehanna River, Pennsylvania

Localization
Disko, R.; Braveny, I.; and Greutelaers, M. T., 1978, Zentralbl. Bakteriol., 1. Abt. Orig., Reihe A, v. 242 (4), 565-571
Toxoplasma gondii, affinity of 4 strains to mice brains over other organs

Localization
Dubey, J. P.; and Mehlhorn, H., 1978, J. Parasitol., v. 64 (4), 689-695
Isospora ohioensis, persistence and structure of extraintestinal stages in tissues of mice inoculated with oocysts, these give rise to stages in dogs that are different from oocyst induced infection in dogs, discussion of mice as transport vs. intermediate host

Localization
Dudzinski, W., 1970, Acta Parasitol. Polon., v. 18 (42-50), 555-572
Cephenemyia stimulator in Capreolus capreolus, distribution within head cavity, seasonal incidence and development of larval stages throughout year, experimental infection of host, rearing of imagoes, unsuccessful attempts to catch imagoes in the field: Poland

Localization
Ebert, F.; Buse, E.; and Muehlpfordt, H., 1979, Ztschr. Parasitenk., v. 59 (1), 31-41
Leishmania donovani, virulent vs. avirulent promastigotes in hamster peritoneal macrophages in vitro, attachment, process of engulfment, amastigote multiplication, localization, light and electron microscopy

Localization
El Bihari, S.; and Hussein, H. S., 1976, Sudan J. Vet. Sc. and Animal Husb., v. 17 (2), 77-85
Onchocerca armillata, redescription of microfilariae and detailed pattern of distribution of microfilariae in hides of cattle

Localization
Elbihari, S.; and Hussein, H. S., 1978, Rev. Elevage et Med. Vet. Pays Trop., n. s., v. 31 (2), 179-182
Onchocerca gutturosa, skin distribution of microfilariae in Sudanese cattle, prevalence according to host age: Khartoum, Sudan

Localization
Elmossalami, E.; and El-Nawawi, F., 1971, Vet. Med. J., Giza, v. 19 (19), 47-76
Taenia hyaenae (Cysticercus dromedarii), camels, morphology, incidence, predilection sites, 2 abnormal forms reported, differential diagnosis of degenerative forms from other common parasites of camels, need to include shoulder in routine carcass examination, unsuccessful attempt to infect dogs and jackals: Egypt

Localization
Esch, G.; et al., 1976, Tr. Am. Micr. Soc., v. 95 (4), Finley Mem. Issue, pt. 2, 687-693
Epistylis-Aeromonas complex, centrarchid fish, incidence, spatial distribution of lesions, host size class (age), body condition, seasonal periodicity, influence of thermal effluent on disease: Par Pond reservoir, Savannah River Plant near Aiken, South Carolina

Localization
Eveleigh, E. S.; and Threlfall, W., 1976, Canad. J. Zool., v. 54 (10), 1694-1711
Mallophaga on Alcidae, prevalence and intensity, seasonal and annual data, burdens of adult hosts vs. chicks, distribution on host, louse population structure: Newfoundland

Localization
Fassi-Fehri, N.; et al., 1978, Ann. Recherches Vet., v. 9 (3), 409-417
Sarcocystis spp., cattle, sheep, frequency of infestation, host age and sex, localization in various muscles, pathology: Morocco

Localization
Fernandez, R., T.; and de Fernandez, C. C., 1977, Rev. Ecuator. Hig. y Med. Trop., v. 30 (1), 47-56
Sarcoptes scabiei, humans, clinical case reports, localization of lesions, morphologic descriptions of females, eggs, and larvae

Localization
Fitzpatrick, C.; and Threlfall, W., 1977, Canad. J. Zool., v. 55 (7), 1205-1209
ectoparasites of 3 spp. of seabirds, degree of infestation, distribution on host body

Localization
Garben, A. F. M.; van Bronswijk, J. E. M. H.; and van Ebbenhorst Tengbergen, T., 1978, Netherlands J. Zool., v. 28 (2), 193-205
Neotrombicula autumnalis, behaviour of unfed and feeding larvae (stability, movements, and sensory physiology of mite clusters; host finding and feeding), localization on host: the Netherlands

Localization
Gentilini, M.; et al., 1978, Tr. Roy. Soc. Trop. Med. and Hyg., v. 72 (5), 540-541
Dracunculus medinensis, human, localization of larvae in pleura, development of eosinophilic pleurisy, case report: Mauritanian native living in France

Localization
Goff, M. L., 1979, Pacific Insects, v. 20 (4), 321-353
chiggers infesting land mammals, host and habitat relationships, parasitopes (attachment site on host body): Papua New Guinea

Localization
Grytner-Ziecina, B.; and Sulgostowska, T., 1978, Acta Parasitol. Polon., v. 25 (11-20), 121-128
trematodes of 3 spp. of Anatinae, distribution in host intestine: Baltic Coast

Localization
Gusev, A. V.; and Kulemina, I. V., 1971, Parazitologiia, Leningrad, v. 5 (4), 320-329
monogeneans of fish (primarily Dactylogyrus), variation in size of body and attachment organs, of localization on host, and of developmental cycle with respect to host age and size, taxonomic implications

Localization
Hafez, M.; Hilali, M.; and Fouda, M., 1979, Ztschr. Ang. Entom., v. 87 (3), 327-335
Hippobosca equina, ecological studies: host preference, seasonal abundance, adult habits, effect of host sex and colour on attraction of flies, mating behaviour, distribution on host body, sex ratio, breeding season: El-Aziziya village, El-Faiyum governate, Egypt

Localization
Hair, J. D.; and Holmes, J. C., 1975, Acta Parasitol. Polon., v. 23 (12-25), 253-269
usefulness of measures of diversity, niche width, and niche overlap in analysis of helminth communities in waterfowl, data suggest hypothesis that intestinal helminth fauna of Aythya affinis (particularly hymenolepidids) is composed of chance combination of ecological specialists whose microhabitats and populations are determined in part by inter-specific interactions

Localization
Halawani, A. A.; Farag, H. F.; and Awadalla, H. N., 1977, Tropenmed. u. Parasitol., v. 28 (4), 478-480
Schistosoma haematobium-infected mice challenged with S. mansoni, changes in egg-distribution sites, cross-mating, complete absence of cross-immunity

Localization
Hanek, G.; and Fernando, C. H., 1978, Canad. J. Zool., v. 56 (6), 1235-1240
spatial distribution of gill parasites of Lepomis gibbosus and Ambloplites rupestris: Ontario

Localization
Hanek, G.; and Fernando, C. H., 1978, Canad. J. Zool., v. 56 (6), 1241-1243
Urocleidus ferox on Lepomis gibbosus, seasonal dynamics and spatial distribution: Glenora and West Lake, Ontario

Localization
Hanek, G.; and Fernando, C. H., 1978, Canad. J. Zool., v. 56 (6), 1244-1246
Cleidodiscus stentor, Ergasilus centrarchidarum on Ambloplites rupestris, seasonal dynamics and spatial distribution: West Lake and Glenora, Ontario

Localization
Hart, P. A., 1979, Lysosomes Applied Biol. and Therap., v. 6, 409-423
phagosome-lysosome fusion in macrophages, possible role in intracellular fate of ingested microorganisms, review including some information on parasitic protozoa

Localization
Hendrickson, G. L., 1979, Exper. Parasitol., v. 48 (2), 245-258
Ornithodiplostumum ptychocheilus cercariae, migration to brain of Pimephales promelas

Localization
Herman, S. M.; and Bacha, W. J., jr., 1978, J. Parasitol., v. 64 (5), 827-830
Himasthla quissetensis, successful infection of domestic chicks per cloaca using cercariae, growth, development, and site location (preference for ileum where worms grew and developed at rate comparable to those raised in gull, worms from bursa of Fabricius showed relatively little growth and exhibited gonadal atrophy in some cases)

Localization
Hilton, R. J.; Barker, I. K.; and Rickard, M. D., 1978, Vet. Parasitol., v. 4 (3), 231-242
Camelostrongylus mentulatus, distribution in abomasum and pathogenicity during development in sheep (exper.)

Localization
Hinaidy, H. K.; et al., 1979, Wien. Tierarztl. Monatsschr., v. 66 (5), 181-184
Sarcocystis spp., cattle, monthly occurrence, localization, diagnosis: Osterreich

Localization
Hopkins, C. A.; and Allen, L. M., 1979, Parasitology, v. 79 (3), 401-409
Hymenolepis diminuta in rats, effect of removing strobila on position of scolex in host intestine, effect on worm growth of operating on host

Localization
Iunchis, O. N., 1974, Parazitologiia, Leningrad, v. 8 (3), 205-207
Dactylogyrus nasalis on Rutilus rutilus, occurrence in relation to season and host age, localization on host at different stages of infection, life span of worms: Lake Verkhnee Vrevo, Leningrad oblast

Localization
Iwuala, M. O. E.; and Okpala, I., 1978, Bull. Animal Health and Prod. Africa, v. 26 (4), 339-350
ectoparasites, livestock, distribution on host body, infestation rates by host sex, age, and life style: Eastern Nigeria

Localization
Jablonska, J., 1970, Acta Parasitol. Polon., v. 18 (42-50), 521-550
Analgesoidea mites on turdid birds, occurrence during host spring and autumn migrations, incidence, intensity, distribution on wings, population structure (sex ratios, developmental stages), host specificity, simultaneous infections: Poland

Localization
Jennings, F. W.; at al., 1979, Internat. J. Parasitol., v. 9 (4),381-384
Trypanosoma brucei, brain as source of relapsing infection in mice after berenil chemotherapy

Localization
Kadulski, S., 1974, Acta Parasitol. Polon., v. 22 (12-21), 219-228
Haematopinus apri on wild Sus scrofa, incidence and intensity, geographic distribution, host age and sex, seasonal dynamics of infestation and louse population structure, distribution on host body: Poland

Localization
Kadulski, S., 1975, Acta Parasitol. Polon., v. 23 (41-51), 493-535
ectoparasites of artiodactylous game animals, survey with information for some parasite species on seasonal and long-term fluctuations, age and sex of host, localization on host, economic importance: Poland

Localization
Kapoor, S., 1978, Trop. and Geogr. Med., v. 30 (2), 253-256
Taenia solium, human ocular cysticercosis, frequent occurrence, poor hygiene, case reports; localization in various countries compared: Andhra and Tamilnadu states, India

Localization
Karmanova, E. M., 1971, Trudy Gel'mint. Lab., Akad. Nauk SSSR, v. 21, 31-35
Petasiger neocomense, description of cercaria and metacercaria, life cycle, localization in hosts

Localization
Karpovich, V. N., 1970, Parazitologiia, Leningrad, v. 4 (4), 345-351
Ceratixodes putus,incidence on adult and juvenile birds, distribution of various life cycle stages on host in relation to surface temperatures of various sections of body, dates of attacking behavior and development in relation to temperature and microclimate of habitats: east Murmansk

Localization
Kearn, G. C., 1978, Internat. J. Parasitol., v. 8 (4), 305-311
Horricauda rhinobatidis and Troglocephalus rhinobatidis from Rhinobatos batillum (gills), level of infestation, microhabitat, larval development of Horricauda, possible role of certain structures in attachment and feeding: Queensland, Australia

Localization
Kearn, G. C., 1979, Internat. J. Parasitol., v. 9 (6), 545-552
skin-parasitic monogeneans of fish, occurrence of gut pigment in relation to habitat (host dorsal vs. ventral surface), pigment distribution in upper skin of fish hosts, chemical nature of pigment; Entobdella soleae does not contain gut pigment and does not damage host dermis during feeding

Localization
Kelly, J. F., 1979, J. Invert. Path., v. 33 (3), 331-339
Thelohania duorara, Agmasoma penaei, and Pleistophora sp. in Penaeus duorarum, pathology, tissue specificity: southern Biscayne Bay

Localization
Khotenovskii, I. A., 1972, Parazitologiia, Leningrad, v. 6 (1), 79-82
Pleurogenidae, Lecithodendriidae, Plagiorchiidae, parasites of bats, morphology, localization in host intestine, and mode of feeding briefly discussed as examples of adaptive evolution of the parasites

Localization
Ko, R. C.; Morton, B.; and Wong, P. S., 1975, Canad. J. Zool., v. 53 (5), 550-559
Echinocephalus sinensis, prevalence and location in natural hosts, histopathology

Localization
Kozakiewicz, B., 1977, Acta Parasitol. Polon., v. 24 (28-34), 357-369
Taenia saginata, experimental cysticercosis in calves infected with eggs or oncospheres orally or intravenously, course of infection with emphasis on intensity and localization of cysticerci

Localization
Kozlov, D. P., 1971, Trudy Gel'mint. Lab., Akad. Nauk SSSR, v. 22, 68-72
Trichinella spiralis, mice, orientation of male and female larvae into pairs in small intestine, pairs more frequent in lower section than in upper section

Localization
de Kruijf, J. M.; and Bibo, T. M., 1976, Tijdschr. Diergeneesk., v. 101 (19), 1093-1095
Sarcocystis, prevalence in sheep, predilection for masseter muscle: Netherlands

Localization
Ktari, M. H., 1977, Publicaciones Espec. (4), Inst. Biol., Univ. Nac. Autonom. Mexico, 61-67
Dionchus agassizi, D. remorae, anatomy, development, rate of parasitism on Echeneis naucrates, distribution of adults and egg clusters on gills: golfe de Tunis; golfe de Gabes

Localization
Kumar, V.; Geerts, S.; and Mortelmans, J., 1978, Acta Zool. et Path. Antverpiensia (70), 201-210
Metastrongylus apri larvae, localization in Eisenia foetida (exper.)

Localization
Kuntz, R. E.; Moore, J. A.; and Huang, T. C., 1979, J. Med. Primatol., v. 8 (3), 167-178
Schistosoma haematobium, nonhuman primates (exper.), distribution of tissue egg deposits and macroscopic lesions

Localization
Kunz, T. H., 1976, J. Med. Entom., v. 12 (6), 631-636
Trichobius corynorhini on hibernating Plecotus townsendii, parasite distribution on host, frequency and levels of infestation in relation to host density and clustering behavior and sex, value of these adaptations

Localization
van der Lande, V. M., 1976, J. Zool., London, v. 180 (4), 537-563
Marsupiobdella africana, morphology, life history, localization, host specificity (Xenopus toads)

Localization
Landsverk, T.; Gamlem, H.; and Svenkerud, R., 1978, Vet. Path., v. 15 (2), 186-195
Sarcocystis-like protozoon in ewe (lymph nodes, myocardium, capillary endothelium), description (light and electron microscopy), distribution in host, clinical signs, pathology, case report: Gotland

Localization
Lebedev, B. I., 1979, Zhurnal Obshch. Biol., v. 40 (2), 271-281
Monogenea, congeneric concurrent parasitism of fish gills, spatial distribution related to coevolution of competitive species, simultaneous hermaphroditism aids reproduction in restricted environment, review

Localization
Lewis, R. E.; Siler, J. R.; and Olmsted, L. L., 1977, Proc. 31. Ann. Conf. Southeast. Ass. Fish and Wildlife Agencies, 372-379
Epistylis [sp.], fishes, host specificity, intensity of infestation, attachment site, factors affecting prevalence (host length, water quality, season): North Carolina

Localization
Lieberman, L. L.; Kircher, C. H.; and Lein, D. H., 1979, J. Am. Animal Hosp. Ass., v. 15 (2), 237-239
visceral larval migrans, dog (pituitary stalk), associated with persistent severe polyuria and polydipsia, case report

Localization
Londono M., I., 1975, Rev. Colomb. Entom., v. 1 (2-3), 27-37
Dipetalonema viteae, larval migration and distribution in Ornithodoros tartakowskyi, elimination of nematode larvae in tick coxal fluid may prevent hyperinfection, cannibalism transmits nematodes among ticks

Localization
Luckins, A. G.; and Gray, A. R., 1978, Nature, London (5654), v. 272, 613-614
Trypanosoma congolense, development in local skin reactions on rabbits at sites of infection transmitted by Glossina morsitans, evidence from light and electron microscopy that these trypanosomes develop in connective tissue and are not confined to the vascular system, implications

Localization
Luckins, A. G.; and Gray, A. R., 1979, Research Vet. Sc., v. 27 (1), 129-131
Trypanosoma congolense, sheep, Ayrshire calves (both exper.) (lymph nodes of both); should not be regarded as strict plasma parasite

Localization
Luetzen, J., 1979, Ophelia, v. 18 (1), 1-51
Enteroxenos oestergreni in Stichopus tremulus and E. parastichopoli in Parastichopus californicus, detailed life history, frequency, infection sites, reproduction, metamorphosis of male larvae completed by implantation in female's central cavity, biology and anatomy of male E. oestergreni; biology compared with other species of Entoconchidae; effect of E. oestergreni on host

Localization
Machnicka, B.; et al., 1977, Acta Parasitol. Polon., v. 25 (1-10), 55-62
Cysticercus bovis in calves (exper.), morphogenesis, localization, host tissue reaction, immunological findings in indirect immunofluorescence test, histological and histochemical study of bladder

Localization
MacKenzie, K.; and Gibson, D. I., 1970, Symposia Brit. Soc. Parasitol., v. 8, 1-42
distribution of helminths in gut of flounder and plaice, physico chemical conditions in different regions of flounder gut

Localization
McVicar, A. H., 1979, Internat. J. Parasitol., v. 9 (3), 165-176
5 cestode species, distribution within spiral intestine of Raja naevus, correlation with anatomical and physicochemical features of spiral intestine

Localization
Madden, P. A.; and Ruff, M. D., 1979, J. Parasitol., v. 65 (2), 234-242
Eimeria spp. in turkeys, effects on structural integrity of intestinal and cecal mucosa, scanning electron microscopy, comparison of damage with parasite distribution as seen by light microscopy

Localization
Manohar, L.; and Venkateswara Rao, P., 1978, Acta Zool. et Path. Antverpiensia (70), 157-166
Cercaria vesiculosa of Prosthogonimus sp. in Lymnaea luteola (foot, mantle, digestive gland), distribution in host, abundance determined by planimetry, relationship between size of host and extent of infection, definite ratio between mass of parasite and mass of host digestive gland in a given age group

Localization
Manson-Smith, D. F.; et al., 1979, Clin. and Exper. Immunol., v. 38 (3), 475-482
Trichinella spiralis in NIH vs. BALB/c mice, distribution and duration of adult worms in small intestine, localization of lymphoblasts within regions of small intestine during course of infection

Localization
de Mello, E. B. F.; et al., 1977, Arq. Inst. Biol., Sao Paulo, v. 44 (1-2), 85-87
Ancylostoma, distribution along digestive tube of dogs: Prefeitura do Municipio de Sao Paulo

Localization
de Mello, E. de B. F.; et al., 1977, Rev. Fac. Med. Vet. e Zootec. Univ. S. Paulo, v. 14 (2), 239-242
Ascocotyle sp., dogs, distribution along intestinal tract: city of Sao Paulo

Localization
Melo, R. C.; and Brener, Z., 1978, J. Parasitol., v. 64 (3), 475-482
Trypanosoma cruzi, distribution of intracellular parasites in organs and tissues of mice inoculated with 4 different strains, some aspects of tissue tropism related to physiological characteristics of bloodstream forms, importance of this distribution in pathogenesis of disease

Localization
Mesfin, G. M.; and Bellamy, J. E. C., 1979, J. Parasitol., v. 65 (3), 469-471
Eimeria falciformis var pragensis, migration of sporozoites from absorptive to crypt epithelium of mouse colon

Localization
Michajlow, W., 1977, Zhurnal Obsh. Biol., v. 38 (5), 657-675
Euglenoidina of Copepoda, examples of evolution of parasitism and species formation; localization, life cycles

Localization
Mitchell, J. R., 1978, Vet. Rec., v. 102 (21), 469 [Letter]
Cysticercus bovis, predilection distribution sites on cattle, survey: Uganda

Localization
Mohan Rao, M. R. K.; and Choudary, C., 1979, Indian Vet. J., v. 56 (10), 890-891
Fasciola gigantica in Bubalus bubalis (liver), aberrant location in spleen and lung, pathology: India

Localization
Molyneux, D. H.; and Bafort, J. M., 1971, Ann. Soc. Belges Med. Trop. Parasitol., v. 51 (3), 335-348
Trypanosoma vespertilionis, morphology of bloodstream forms, sites and morphology of tissue stages (in cysts), morphology and ultrastructure of culture forms, difficulties in differentiating from T. cruzi

Localization
Mosimann, J. E.; et al., 1978, Biometrics, v. 34 (3), 341-356
Schistosoma mansoni, S. haematobium, human (egg-counts from Egyptian autopsy data), proportional distribution of eggs in various body organs in relation to infection intensity

Localization
Mutafova, T., 1976, Khelmintologiia, Sofiia, v. 1, 69-77
Heterakis gallinarum, chickens, development and distribution in caecum

Localization
Muzzall, P. M.; and Bullock, W. L., 1978, J. Parasitol., v. 64 (5), 860-865
Neoechinorhynchus saginatus in Semotilus corporalis, seasonal changes in prevalence and intensity, parasite population structure, distribution in host intestine, relationship between fish size and parasite prevalence and intensity, occurrence in other hosts: Oyster River, Durham, New Hampshire

Localization
Nathan, M. B., 1979, Tr. Roy. Soc. Trop. Med. and Hyg., v. 73 (3), 338-340
Mansonella ozzardi in humans, comparison of microfilaria densities in blood and skin snips from 3 areas of the body; relative importance of skin and blood dwelling tendencies of parasite in relation to vector uptake discussed: Trinidad

Localization
Nathan, M. B.; and Raccurt, C., 1979, Tr. Roy. Soc. Trop. Med. and Hyg., v. 73 (4), 455-457
Wuchereria bancrofti, Mansonella ozzardi, higher concentrations of microfilariae in capillary blood from the ear lobe than from the finger, applications for microfilarial surveys: Haiti, Trinidad

Localization
Nilsson, A.; and Lundqvist, L., 1978, Oikos, v. 31 (3), 313-322
Ixodes ricinus larvae, overdispersed distribution on small mammal species in field during spring and autumn, host sex, feeding success on different host species under laboratory conditions, orientation, movements, and spatial frequency distribution on host body: Kullaberg, southern Sweden

Localization
Nitidandhaprabhas, P.; et al., 1978, Am. J. Trop. Med. and Hyg., v. 27 (1, pt. 1), 206-207
Gnathostoma spinigerum, large subcutaneous nodule present for 2 months was removed from occiput of 26-year-old man and found to contain adult male worm, patient had history of eating raw fermented pork: Thailand

Localization
Nitidandhaprabhas, P.; Sirimachan, S.; and Charnvises, K., 1978, Am. J. Trop. Med. and Hyg., v. 27 (6), 1282-1283
Gnathostoma spinigerum, young adult female worm extracted from glans penis of 3-year-old boy, case report: Thailand

Localization
Nizami, W. A.; Siddiqi, A. H.; and Waseemul Islam, M., 1977, Ztschr. Parasitenk., v. 52 (3), 275-280
digenetic trematodes, comparative quantitative studies of acetylcholinesterase in seven species, higher quantities in species inhabiting gastrointestinal tract than in those parasitizing liver or swimbladder, apparently a biochemical adaptation to counteract peristalsis

Localization
Nyaga, P. N.; and Gathuma, J. M., 1979, Bull. Animal Health and Prod. Africa, v. 27 (1), 51-59
Taenia saginata, slaughter cattle, calcified vs. non-calcified cysts, localization, implications for meat inspection procedures: Kenya

Localization
Olszewska, G. M., 1975, Acta Parasitol. Polon., v. 23 (26-40), 329-338
Diorchis, 3 spp. in Fulica atra, distribution within host intestine in single and mixed infections of differing intensity

Localization
Oshima, S.; et al., 1978, Japan. J. Exper. Med., v. 48 (6), 503-509
Schistosoma japonicum in Rattus mindanensis, localization in lungs, liver, and intestinal wall, massive pulmonary infestation with high incidence of emboli, histopathology: Leyte, Philippines

Localization
Ottley, M. L.; and Moorhouse, D. E., 1978, Austral. Vet. J., v. 54 (11), 528-530
Onchocerca gutturosa, O. gibsoni, O. lienalis, distribution in cattle carcasses, recommended trimming procedures to ensure removal of parasites during meat inspection: Australia

Localization
Owen, R. L.; Nemanic, P. C.; and Stevens, D. P., 1979, Gastroenterology, v. 76 (4), 757-769
Giardia muris in immunocompetent mice, intestinal distribution of trophozoites, attachment and relationships to intestinal mucosa (particularly Peyer's patches), normal reaction of intestine and intestinal immune organs; includes some incidental observations on Hexamita muris

Localization
Palmieri, J. R.; and James, H. A., 1976, Great Basin Nat., v. 36 (1), 97-100
Apatemon gracilis in Helobdella stagnalis, Placobdella parasitica, and Erpobdella punctata, effects of leech behavior on cercarial penetration and localization

Localization
Pippy, J. H. C., 1969, J. Fish. Research Bd. Canada, v. 26 (4), 909-919
Pomphorhynchus laevis in Salmo salar, site and abundance in intestine, pathology, geographic distribution, distribution of intermediate hosts, possible use as biological tag

Localization
Prokopic, J., 1975, Acta Parasitol. Polon., v. 23 (12-25), 271-275
Hymenolepis erinacei, distribution in gut of Erinaceus europaeus (exper.)

Localization
Przyjałkowski, Z.; Zapart, W.; and Starzynski, S., 1978, Bull. Acad. Polon. Sc., Cl. II, s. Sc. Biol., v. 26 (12), 875-880
Toxocara canis, mice, intravital diagnosis of early larva migrans, serological and haematological tests, histopathological changes in tissues, numbers of larvae detected in various internal organs

Localization
de Queiroz, A. C., 1974, Rev. Patol. Trop., v. 3 (3), 255-261
S[chistosoma] mansoni, human case reports, parasites in central nervous system discovered at autopsies, few or no neurological symptoms presented by patients prior to deaths: Brazil

Localization
Radlett, A. J., 1979, Parasitology, v. 79 (3), 411-416
Notocotylus attenuatus, in domestic fowl, in vivo excystation of metacercariae, intracaecal growth and movement of worms, attachment of juvenile worms to host's caecum

Localization
Raizada, R. N.; and Nagar, S. K., 1979, Indian J. Animal Sc., v. 49 (8), 622-628
Boophilus microplus, abundance and distribution in relation to environmental conditions; site preferences for feeding on cows and buffalo: Uttar Pradesh

Localization
Ramos, S. F., 1973, Rev. Cien. Med., Univ. Lourenco Marques, s. A, v. 6 (2), 187-197
Schistosoma haematobium, survey of cadavers for evidence of latent symptomless infection, cutaneous localization of eggs varied with sex and age of hosts

Localization
Rau, M. E.; and Gordon, D. M., 1978, J. Fish Dis., v. 1 (3), 259-263
Apatemon gracilis pellucidus in Culaea inconstans, frequency distribution and localization in host populations of homogeneous age and size structure: swamp on Ile Perrot, Province of Quebec, Canada

Localization
Rau, M. E.; Gordon, D. M.; and Curtis, M. A., 1979, J. Fish Dis., v. 2 (4), 291-296
Diplostomum spp. in Coregonus clupeaformis (eyes), lack of bilateral symmetry in distribution of metacercariae, computer simulation of observed phenomenon demonstrated that asymmetry was not due to chance but was product of positive feedback mechanism, hypothesized that increased blood supply to inflamed tissues will channel more metacercariae to an already infected eye: Squaw Lake, Schefferville, Quebec

Localization
Rep, B. H.; and Bos, R., 1979, Tijdschr. Diergeneesk., v. 104 (19), 747-758
Uncinaria stenocephala, dogs (exper.), worm population and topographical distribution in host intestine, prepatent and patent period, rhythm of daily worm-egg counts; egg and larval survival at low temperatures; natural infections in foxes and experimental cross-infections between dogs and foxes, epidemiological implications: Netherlands

Localization
Rohde, K., 1977, Zool. Anz., Jena, v. 199 (3-4), 164-172
distribution of monogenean and copepod ectoparasites on gills of tropical marine fish and fish from cold-temperate seas, evidence that restricted microhabitat leads to intraspecific contact and, thus, facilitates mating

Localization
Rohde, K., 1977, Ztschr. Parasitenk., v. 53 (2), 171-182
Heteromicrocotyla australiensis sp. nov., Heteromicrocotyloides mirabilis gen. and sp. nov., Caligus fortis, habitat partitioning (each parasite on separate section of gills in clearly defined niches, each morphologically adapted to its microhabitat)

Localization
Rohde, K., 1978, Biol. Zentralbl., v. 97 (4), 405-418
gill parasites of marine fish, species numbers and microhabitat utilization at different latitudes, assumption of greater evolutionary speed in tropics as probable explanation of latitudinal gradients in species diversity (more species in tropical than in cold water fishes)

Localization
Rohde, K., 1979, Am. Naturalist, v. 114 (5), 648-671
ectoparasites of fish, particularly Monogenea, critical evaluation of intrinsic and extrinsic factors responsible for niche restriction

Localization
Rusak, L. V., 1974, Parazitologiia, Leningrad, v. 8 (2), 109-111
Hymenolepis nana, young and adult worms, changes in localization in intestine of white mice in course of a day

Localization
Schlueter, U., 1978, Zool. Anz., Jena, v. 200 (1-2), 85-91
Argulus foliaceus, localization on integument of Xiphophorus helleri and occurrence of free-swimming parasites in relation to water temperature and to parasite age and sex

Localization
Shastri, U. V., 1978, Indian Vet. J., v. 55 (4), 352-353
Onchocerca gutturosa in surface skin of Bos indicus, sites of infestation: India

Localization
Shelley, A. J.; et al., 1979, J. Med. Entom., v. 16 (1), 48-51
Onchocerca volvulus, human, concentration of microfilariae by Simulium sanguineum during feeding, fly gut squash method compared with skin snips for mapping parasite distribution in skin or for diagnosis: Amazonas, Brazil

Localization
Shepherd, R. C. H.; and Edmonds, J. W., 1979, Austral. J. Zool., v. 27 (2), 261-271
Echidnophaga myrmecobii and E. perilis on Oryctolagus cuniculus, distribution on host, seasonal patterns of increase and decrease, sex of parasite, age and sex of host: Pine Plains, Mallee region of Victoria

Localization
Shoop, W. L.; and Janovy, J., jr., 1978, J. Parasitol., v. 64 (3), 561-562
Oochoristica bivitellobata adults found in coelomic cavity as well as intestine of Cnemidophorus sexlineatus, first report of this cestode occurring extraintestinally: Cedar Point Biological Station, Ogallala, Nebraska

Localization
Smales, L. R.; and Mawson, P. M., 1978, Tr. Roy. Soc. South Australia, v. 102 (3-4), 79-83
nematodes of Macropus eugenii, site selection within stomach, population structure of Labiostrongylus eugenii in different sites: Kangaroo Island, South Australia

Localization
Smith, J. W., 1969, Norwegian J. Zool., v. 17 (1), 57-63
Diclidophora merlangi, Clavella adunca f. devastatrix, and Lernaeocera branchialis on Merlangius merlangus, incidence in relation to locality and host sex, intensity of infection, microhabitats: British waters

Localization
Sobrinho, O. A. P.; Iglesias, J. D. F.; and Goncalves, J. E. P., 1973, Rev. Ass. Med. Minas Gerais, v. 24 (4), 233-236
Schistosoma mansoni, miracidia, shells, and viable eggs in seminal fluid of man with mildly symptomatic intestinal infection: Belo Horizonte, Brazil

Localization
Solonenko, I. G., 1970, Parazitologiia, Leningrad, v. 4 (5), 476-479
Hymenolepis nana, rats experimentally infected with eggs, occurrence of migration to mesenteric lymph nodes (with development to young adults) and liver (cysticercoids found)

Localization
Sosa, A.; et al., 1978, Experientia, v. 34 (2), 175-177
Cysticercus cellulosae, ATPase demonstrated in microtriches by high resolution cytochemistry, possible role in preferential tissue distribution of this parasite

Localization
Stadnichenko, A. P., 1972, Parazitologiia, Leningrad, v. 6 (2), 154-160
10 trematode spp. in Viviparus viviparus, pathogenic effect studied by histological and histochemical methods, host sex differences with respect to parasite occurrence, intensity, and localization: Ukraine [and/or] lower Volga

Localization
Stromberg, P. C.; and Dubey, J. P., [1979], J. Parasitol., v. 64 (6), 1978, 998-1002
Paragonimus kellicotti, life cycle in cats (exper.): migration, development, growth, maturation, distribution in lungs, egg production

Localization
Sulgostowska, T.; and Grytner-Ziecina, B., 1974, Acta Parasitol. Polon., v. 22 (35-44), 401-413
trematodes, seasonal distribution, distribution in intestine of Clangula hyemalis: Baltic Coast, Gdansk Province, Poland

Localization
Sultanov, F. R., 1974, Parazitologiia, Leningrad, v. 8 (2), 147-156
Oestrus ovis, sheep, extensity and intensity of infection, time of development, localization of different stage larvae within host, time and distance of flight of adult females: lowland, foothill, and mountain zones of Azerbaidzhan SSR

Localization
Taylor, S. M.; and Pearson, G. R., 1979, J. Comp. Path., v. 89 (3), 397-403
Trichostrongylus vitrinus, lambs (exper.), pathology during parasitic development, small intestine

Localization
Taylor, S. M.; and Pearson, G. R., 1979, J. Comp. Path., v. 89 (3), 405-412
Trichostrongylus vitrinus, 4- and 8-month-old lambs (exper.), location of worms and pathological changes during clinical infection, small intestine

Localization
Tesarcik, J., 1972, Parazitologiia, Leningrad, v. 6 (2), 190-191
Neoechinorhynchus rutili, localization in intestine of carp, changes during season, anthelmintic introduced per rectum is not effective, better results with tetraphinol fed to fish at 1 mg/kg body weight

Localization
Tham, K. T., 1979, J. Trop. Med. and Hyg., v. 82 (1), 21-22
Strongyloides, man, gastritis, case report

Localization
Thompson, P. H., 1974, Proc. Entom. Soc. Wash., v. 76 (3), 282-284
Dermacentor variabilis larvae, suckling mice (exper.), attachment sites

Localization
Tizard, I. R.; Hay, J.; and Wilkie, B. N., 1978, Research Vet. Sc., v. 25 (1), 131-132
Trypanosoma congolense, absence from lymph of infected sheep

Localization
Tumka, A. F., 1972, Parazitologiia, Leningrad, v. 6 (3), 222-228
Lamblia muris, Trichomonas muris, Octomitus muris, localization in white mice exposed to x-irradiation

Localization
Valtonen, E. T., 1979, J. Fish Dis., v. 2 (2), 99-103
Neoechinorhynchus rutili in Coregonus nasus, seasonal prevalence, intensity of infection, distribution in host intestine, correlation between ostracods in diet and occurrence of N. rutili: north-east of Bay of Bothnia, between parish of Haukipudas and island of Hailuoto

Localization
Veerannan, K. M., 1978, Current Sc., Bangalore, v. 47 (8), 272-273 [Letter]
Ascaris lumbricoides, unfertilized ova and fragments, man (peripheral blood, feces)

Localization
Vik, R.; Halvorsen, O.; and Andersen, K., 1969, Norwegian J. Zool., v. 17 (1), 75-80
Diphyllobothrium dendriticum and D. vogeli in Gasterosteus aculeatus, localization sites of plerocercoids and extent of encystment, preliminary report: river Elbe, Neuenschleussen

Localization
Vojtek, J.; and Vojtkova, L., 1976, Scripta Fac. Scient. Nat. Univ. Purkynianae Brun., Biol., v. 6 (1), 9-15
Apatemon cobitidis, Holostephanus volgensis, Cyathocotyle opaca, localization in Anas platyrhynchos f. dom.

Localization
Vorhees, J. T.; and Schwartz, F. J., 1979, Tr. Am. Fish. Soc., v. 108 (2), 191-196
Lernaeenicus radiatus on Brevoortia tyrannus and Micropogon undulatus, attachment site, seasonality, abundance, and incidence in relation to water temperature and salinity variations: Cape Fear River, North Carolina

Localization
Weinberger, A.; Schumacher, H. R.; and Weiner, D. J., 1979, Arthritis and Rheum., v. 22 (10), 1142-1145
Dirofilaria immitis microfilaria found in synovial fluid of laboratory dog; microfilaria, probably Dipetalonema sp. in synovial membrane vessel lumen of monkey knee joint

Localization
Widmer, C. G.; and Azevedo, E. S., 1972, Rev. Inst. Med. Trop. S. Paulo, v. 14 (2), 109-113
Trypanosoma cruzi, leishmanial forms found more frequently in cardiac fibers of men than of women, autopsy survey, possible explanations

Localization
Williams, H. H.; McVicar, A. H.; and Ralph, R., 1970, Symposia Brit. Soc. Parasitol., v. 8, 43-77
fish helminths, host specificity, body shape and orientation within host gut, habitat specificity and migrations within gut, host alimentary canal physiology

Localization
Wright, K. A., 1979, J. Parasitol., v. 65 (3), 441-445
Trichinella spiralis, developmental site in mouse intestine examined by electron microscopy to determine relationship to epithelial cells of mucosa

Localization
Yousif, F.; and Laemmler, G., 1977, Ztschr. Parasitenk., v. 53 (2), 247-250
Angiostrongylus cantonensis larvae, higher numbers infected host Biomphalaria glabrata by oral route (ingestion) than by skin penetration; higher percentages found in mantle collar and muscular part of host body

Localization
Zielke, E., 1979, Tropenmed. u. Parasitol., v. 30 (2), 163-169
Brugia malayi, B. pahangi, percentage of larvae carried by vector (Aedes aegypti) which reach maturity in Meriones unguiculatus (exper.); distribution in final host

Locomotion and motility
Amos, W. B.; et al., 1979, J. Cell Sc., v. 35, 139-164
Trichomonas spp. from termites, costa: bending waves, birefringence, structure, composition (proteins, ATPase), results indicate type of motile system distinct from any hitherto described

Locomotion and motility
Beddok, R. A.; and Mansour, T. E., 1979, Biochem. Pharmacol., v. 28 (24), 3689-3692
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Longevity
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Longevity
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Hippobosca longipennis, biology in Egypt, laboratory observations: adult emergence, feeding mechanism, frequency and amount of blood meal, tolerance to starvation, sexual maturity, mating behavior, sex ratio, intrauterine larval development, larviposition and description of 3rd larval stage, adult longevity and fecundity, description of pupa, pupal duration (effect of temperature, relative humidity, and host)

Longevity
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Hippobosca equina, field-collected and laboratory-reared on guinea pigs, biology, adult males vs. females (feeding, longevity of starved adults in 2 seasons, longevity of normal adults and fecundity in 2 seasons, effect of presence of males on fecundity of females, sexual maturation, sex ratio); larval stage (larviposition, description, and duration of 3rd larval stage; seasonal intrauterine larval development); pupal stage (duration, effect of temperature and humidity)

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helminths of British freshwater fish, population biology: the systems approach; distribution of parasites in the fish population; intermediate host-parasite systems; definitive host-parasite systems (life span and maturation cycle, population changes and their controlling factors, species exhibiting and not exhibiting seasonal cycles in incidence)

Longevity
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Longevity
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Longevity
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Amphipsylla rossica, ecology, field and laboratory studies: feeding, reproduction, development, survival, and longevity under various conditions of temperature and humidity; age composition and physiological state of populations in different months; abundance on Microtus arvalis and in its nests and burrow entrances in different months: Transcaucasian highlands

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Longevity
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Fasciola hepatica metacercariae encysted on herbage, longevity, winter vs. summer, irrigated and non-irrigated pastures: Werribee, Victoria

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Longevity
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Ancylostoma tubaeforme, 3rd stage infective larvae, relationship between neutral lipid depletion and longevity/survival, effect of various environmental stresses (temperature, pH, anaerobiosis)

Longevity
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Romanomermis culicivorax, longevity of laboratory cultures extended by low temperatures, mass rearing techniques

Longevity
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trematode parasites of Argentina silus, incidence and intensity in different host length groups, as indicators of change in host feeding habits, not suitable as biological tags to distinguish host populations; Lecithophyllum botryophorum, parasite length/frequency distribution in different host length groups, seasonal variation, parasite life span and growth: western Atlantic

Longevity
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Amblyomma americanum adults, molting time, overwintering survival, and longevity in selected woodlots: Cherokee Co., Oklahoma

Longevity
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Ancylostoma caninum, longevity and infectivity of tissue phase larvae in guinea pigs and swine, both shown to be potential paratenic hosts

Longevity
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Fasciola hepatica metacercariae, longevity and infectivity in hay, effect of different methods of hay drying used in Poland, concluded that hay may contain infective metacercariae in spite of adequate drying methods, only proper ensilage of green roughage makes it safe from infective forms of liver fluke

Longevity
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Lungs. [See also Pneumonia; Respiratory system]

Lungs
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Lungs
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Lungs
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Schistosoma mansoni, mice, rats, hamsters, comparative histopathology of hepatic and pulmonary granulomata experimentally induced with eggs

Lungs
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Lungs
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Lungs
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Dirofilaria immitis, dog (lung, liver), extensive pulmonary arterial thrombosis without subsequent infarction, absence of significant pathologic changes, case history

Lungs
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Dirofilaria immitis, dogs with early vascular changes but without clinical cardiopulmonary signs and pulmonary hypertension, pulmonary vascular response

Lungs
Thelen, M.; et al., 1976, ROEFO, v. 124 (2), 110-119
human pulmonary echinococcosis, radiologic differentiation of lung changes associated with progressive pulmonary insufficiency

Lungs
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Dirofilaria immitis, dogs (exper.), scintigraphic evaluation of pulmonary perfusion

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hydatid disease of lung, children, conservative surgical procedures, indications for surgery in intact or ruptured cysts, review of 70 cases: Greece

Lungs
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human pulmonary echinococcosis, role and limitations of radiology in diagnosis, clinical review

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Paragonimus westermani, humans, radiologic pulmonary changes, differentiation from tuberculosis

Lungs
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Trichomonas sp. in man resulting in empyema secondary to presumed aspiration pneumonia, clinical case report, successful metronidazole therapy: University of Kentucky Medical Center Hospital, Lexington, Kentucky

Lungs
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Plasmodium berghei-infected mice, immune complexes in lungs, symposium presentation

Lymph. See Lymphatic system.

Lymphadenitis. See Lymphatic system.

Lymphatic system. [See also Cardiovascular system; Elephantiasis]

Lymphatic system
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Echinococcus granulosus, mice, pathological changes in thymus-dependent areas of spleen and lymph nodes

Lymphatic system
Chakrabarti, A.; and Misra, S. K., 1978, Indian J. Animal Sc., v. 48 (6), 466-468
Demodex canis, dogs, occurrence, pathology of mandibular, parotid, retropharyngeal, and prescapular lymph nodes: India

Lymphatic system
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Leishmania donovani presenting as localized lymphadenitis without cutaneous, mucosal or visceral involvement, histologic appearance simulated toxoplasmosis, 2 case reports, value of electron microscopy in differential diagnosis

Lymphatic system
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Onchocerca volvulus, clinicopathologic study of 34 patients with lymphadenitis, possible role of immune complexes: Africa; Yemen

Lymphatic system
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toxoplasmosis, human lymphoglandular, pathological aspects

Lymphatic system
Guillozet, N., 1979, Arch. Int. Med., Chicago, v. 139 (9), 1057-1059
filariasis, 40-year-old California man, arm lymphedema, diethylcarbamazine citrate: United States, had resided 3 years in Africa

Lymphatic system
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necrotizing lymphadenitis, 2 case reports, possibly caused by acute Toxoplasma infection: Japan

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Trypanosoma congolense, sheep, Ayrshire calves (both exper.) (lymph nodes of both); should not be regarded as strict plasma parasite

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human lymphatic toxoplasmosis, differential diagnosis using lymphography, clinical case reports

Lymphatic system
de Queiroz, A. C.; and Barreto, S. C., 1975, Rev. Patol. Trop., v. 4 (1), 17-24
Strongyloides stercoralis, fatal human infections, pathology of mesenteric lymph nodes

Lymphatic system
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human schistosomal hepatic fibrosis with presinusoidal obstruction, study of chemical constituents (proteins, immunoglobulins, lipids, enzymes, electrolytes) of thoracic duct lymph and of serum, comparison with controls

Lymphatic system
Stolte, F.; Stolte, J. B.; and The Lan Hing, 1972, Tijdschr. Gastro-enterol., v. 15 (3), 183-193
Toxoplasma, possible cause of human mesenteric lymphadenitis, clinical report

Lymphedema. See Lymphatic system.

Lysosomes
Bannister, L. H., 1979, Proc. Roy. Soc. London, s. B., Biol. Sc. (1155), v. 204, 141-163
intracellular Protista, taxonomic range, location within host cells, host species and host cell specificity, invasion of host cells, methods of evading intracellular destruction by lysosomes, nutrition, effects on structure and composition of host cells, exit from host cell, review

Lysosomes
Chang, K. P., 1978, Am. J. Trop. Med. and Hyg., v. 27 (6), 1084-1096
Leishmania braziliensis-like, entry of promastigotes into human skin fibroblasts in vitro, lack of phagosome-lysosome fusion after entry, transformation into amastigotes, intracellular survival and multiplication; L. donovani promastigotes unable to infect human skin fibroblasts in vitro

Lysosomes
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phagosome-lysosome fusion in macrophages, possible role in intracellular fate of ingested microorganisms, review including some information on parasitic protozoa

Lysosomes
Houba, V.; et al., 1979, Lysosomes Applied Biol. and Therap., v. 6, 3-29
lysosomes, possible role in helminth immunity and immunopathology, review with emphasis on Schistosoma mansoni

Lysosomes
Khavkin, Th. N.; and Freidlin, I. S., 1977, Ztschr. Parasitenk., v. 52 (1), 19-21
Toxoplasma gondii in parasitophorous vacuoles of mouse peritoneal macrophages, lysosomes in macrophages stained with quinacrine, fluorescence microscopy shows that lysosomes do not fuse with vacuoles containing viable parasites, may be factor in pathogenicity

Lysosomes
Rodrigues, L. E. A.; and Soares, M. C. de M., 1974, Rev. Brasil. Pesqui. Med. e Biol., v. 7 (2), 175-181
S[chistosoma] mansoni, mice, studies on the lability of lysosomal membrane in infected livers and comparison with normal controls

Lysosomes
Watts, S. D. M.; Orpin, A.; and MacCormick, C., 1979, Parasitology, v. 78 (3), 287-294
Schistosoma mansoni, tegument pathology following chemotherapy with 153C51, lysosomal involvement (accumulation of inclusions with characteristics of residual lysosomes, changes in localization of acid phosphatase), immunological factors probably not involved

Madagascar
Kim, K. C.; and Emerson, K. C., 1974, J. Med. Entom., v. 11 (1), 107-111
list of known species of Madagascar Anoplura and their hosts

Maintenance. See Culture; Passage.

Malabsorption. See Absorption.

Malaysia
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intestinal helminths of small mammals, patterns of parasitism with respect to host ecology: Peninsular Malaysia

Malaysia
Little, P. B., 1979, Canad. Vet. J., v. 20 (1), 13-21
parasitic, bacterial, viral, toxic, and neoplastic diseases encountered in domestic animals: West Malaysia
cattle
(Eleophora poeli; Eurytrema pancreaticum; Paramphistomum probably Gigantocotyle explanatum; Paramphistomum sp.; Fasciola gigantica; intestinal coccidiosis; Onchocerca armillata)
Bubalus bubalis
(intestinal coccidiosis; onchocercal dermatitis; Paramphistomum sp.)
sheep
(Eurytrema pancreaticum)
goats
(intestinal coccidiosis)
dogs
(Ancylostoma caninum; Spirocerca lupi; dirofilariasis)
chickens
(coccidiosis; Eimeria tenella; L[eucocytozoon] caulleryi; Tetrameres, probably T. americana)

Malaysia
Nawalinski, T.; and Roundy, L. M., 1978, Southeast Asian J. Trop. Med. and Pub. Health, v. 9 (3), 440-441
intestinal parasites, human, prevalence by age and sex: Kampong Telok Kechil, Pulau Pangkor, West Malaysia
(hookworm; Ascaris lumbricoides; Trichuris trichiura; Enterobius vermicularis; Strongyloides stercoralis; Entamoeba coli; E. histolytica; E. hartmanni; Endolimax nana; Chilomastix mesnili; Giardia lamblia; Dientamoeba fragilis)

Malaysia
Shanta, C. S.; et al., 1977, Malaysian Vet. J., v. 6 (3), 95-110
endo- and ecto-parasites of dogs, prevalence rates, degree of parasitism, sex of parasite, sex and age of host: Ipoh, West Malaysia
(Ancylostoma caninum; A. ceylanicum; A. braziliense; Spirocerca lupi; Dirofilaria immitis; Toxocara canis; Trichuris vulpis; Dipylidium caninum; Platynosomum fastosum; Stictodora sawakinensis; Haplorchis taichui; Rhipicephalus sanguineus; Ctenocephalides felis orientis; Heterodoxus spinigerum; Haemaphysalis bispinosa; Ctenocephalides felis felis; maggots; Demodex canis; Sarcoptes scabiei; Toxoplasma gondii; Babesia canis; Hepatozoon canis)

Malaysia
Sinniah, B.; et al., 1978, Southeast Asian J. Trop. Med. and Pub. Health, v. 9 (2), 272-276
parasitic infections in oil palm estate workers, prevalence by age and sex, haemoglobin concentration and eosinophil counts: Malaysia
(Entamoeba histolytica; E. coli; Giardia lamblia; Ascaris lumbricoides; Trichuris trichiura; hookworm; Strongyloides stercoralis; Enterobius vermicularis; Hymenolepis diminuta; H. nana)

Malformations. See Anomalies.

Malnutrition. See Diet and nutrition.

Manitoba. See Canada, Manitoba.

Manuals. See Acarology, Manuals and textbooks; Entomology, Manuals and textbooks; Helminthology, Manuals and textbooks; Meat inspection, Manuals and textbooks; Parasitology, Manuals and textbooks; Pharmacology, Manuals and textbooks; Protozoology, Manuals and textbooks; Technique, Manuals and textbooks; Tropical diseases, Manuals and textbooks; Veterinary science, Manuals and textbooks.

Manure. [See also Disease transmission, Feces; Night soil]

Manure
Antonenko, A. E., 1975, Vet. Nauka--Proizvod., Trudy, Minsk, v. 13, 121-126
nematode eggs, coccidian oocysts, non-litter pig manure, substances tested as disinfectants

Manure
Antonenko, A. E., 1975, Vet. Nauka--Proizvod., Trudy, Minsk, v. 13, 126-129
nematode eggs, coccidial oocysts, non-litter pig manure, disinfecting by electrohydraulic effect (high voltage electric impulses)

Manure
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Mass production of parasites. See Culture; Technique.

Mast cells. [See also Immunity]

Mast cells
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Mast cells
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Mast cells
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Mast cells
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Mathematical models and theory. [See also Technique, Statistical methods]

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Transversotrema patialense infections in Brachydanio rerio, overdispersion in distribution of successful infections/host can be generated within laboratory infection arenas, degree of over-dispersion or aggregation of parasites within host population increases as both infective-stage density and time of exposure to infection increases, stochastic simulation studies demonstrate that heterogeneity in host susceptibility to infection is probable generative cause of such patterns, variability in host susceptibility is most probably generated by differences in behavior

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helminths of British freshwater fish, population biology: the systems approach; distribution of parasites in the fish population; intermediate host-parasite systems; definitive host-parasite systems (life span and maturation cycle, population changes and their controlling factors, species exhibiting and not exhibiting seasonal cycles in incidence)

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parasitic infections as regulators of host populations, mathematical models

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Transversotrema patialense on Brachydanio rerio (exper.), host size (age) and parasite survival, (parasite) age- and density-dependent survival and reproduction, reinfection and transplantation experiments failed to provide evidence of host immunological responses

Mathematical models and theory
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Plasmodium falciparum, epidemiological evaluation of mathematical model, baseline data tested against data collected over 3-year period during which propoxur and fenitrothion were used for mosquito control, relatively good agreement between actual observations and model: Garki District, Nigeria and Kisumu District, Kenya

Mathematical models and theory
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Schistosoma mansoni, S. haematobium, human (egg-counts from Egyptian autopsy data), proportional distribution of eggs in various body organs in relation to infection intensity

Mathematical models and theory
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analysis of circulation of cestodes among 3 species of geese (young and adult) nesting in close association, 4 groups of cestodes delineated representing different pathways and patterns of exchange: Anderson River Delta, Northwest Territories, Canada

Mathematical models and theory
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Dicrocoelium dendriticum, Pleurogenoides medians, Fasciola hepatica, length of uterus as correlated with body size at different stages of development, mathematical analysis of growth

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Diplostomum spp. in Coregonus clupeaformis (eyes), lack of bilateral symmetry in distribution of metacercariae, computer simulation of observed phenomenon demonstrated that asymmetry was not due to chance but was product of positive feedback mechanism, hypothesized that increased blood supply to inflamed tissues will channel more metacercariae to an already infected eye: Squaw Lake, Schefferville, Quebec

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Mathematical models and theory
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Mathematical models and theory
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hydatid disease, epidemiological aspects of planning and evaluation of control programs, review

Mathematical models and theory
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Anopheles albimanus, computer simulation of effectiveness of releasing male-linked translocation heterozygotes as control measure, malaria subroutine included in model

Mathematical models and theory
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Schistosoma mansoni, field populations of Biomphalaria pfeifferi, measurements of prepatent and patent infections using 3 methods, some implications for mathematical models of schistosome transmission: Kenya

Mathematical models and theory
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Boophilus microplus, cattle, experimental and theoretical studies on rates of host finding, conceptual model of the host-finding component

Mathematical models and theory
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Mathematical models and theory
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Mating. See Behavior; Disease transmission, Venereal; Reproduction.

Measurements. [See also Morphology; Variation]

Measurements
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Cucullanellus kanabus, growth patterns (allometry, isometry, curvilinear), implications for use of body proportions as diagnostic features when identifying and/or naming nematode species

Measurements
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Measurements
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Parasitorhabditis sexdentati, morphometrics, individual and geographic variation, statistical analysis: Litovsk SSR; Moskovsk oblast; Gruzinsk SSR

Measurements
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Gyrodactylus stankovici, morphological and metrical variability, taxonomic value

Measurements
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Eustrongylides tubifex, length changes in individual nematodes when treated with different fixatives, method for determining length of live specimens

Measurements
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free-living, plant parasitic, and animal parasitic nematodes, interdependence of body length, body width, and oesophagus length during post-embryonic growth

Measurements
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Measurements
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Pomphorhynchus bulbocolli, P. rocci, meristogram analysis revealed that these 2 species can be easily distinguished by measuring length of one hook in the 60-80 'percent-position' region of the proboscis

Measurements
Neuhaus, W., 1978, Ztschr. Parasitenk., v. 55 (3), 209-221
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Measurements
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Measurements
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Oesophagostomum dentatum, isolation of pure strain, several morphological characteristics (statistical analysis of variation in measurements), life cycle

Measurements
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trematode parasites of Argentina silus, incidence and intensity in different host length groups, as indicators of change in host feeding habits, not suitable as biological tags to distinguish host populations; Lecithophyllum botryophorum, parasite length/frequency distribution in different host length groups, seasonal variation, parasite life span and growth: western Atlantic

Meat inspection
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Meat inspection
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Meningitis. [See also Meningoencephalitis]

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Meningoencephalitis
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Meningoencephalitis
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Mental retardation. See Mental disorders.

Metabolism. [See also Amino acids; Biochemistry; Carbohydrates; Enzymes; Histochemistry; Hormones; Lipids; Nucleic acids; Prostaglandins; Proteins; Respiration]

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Metabolism, Host
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Metabolism, Host
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Metabolism, Host
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Metabolism, Host
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Metabolism, Host
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Metabolism, Host
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Metabolism, Host
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Metabolism, Host
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Metabolism, Host
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Metabolism, Host
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Metabolism, Host
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Metabolism, Host
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Metabolism, Host
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Metabolism, Host
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Metabolism, Host
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Chagas disease, aspects of lipid metabolism, comparison study of persons with chronic infections, chronic infections with cardiopathy, and normal controls, results imply that persons with chronic Chagas and cardiopathy may have lowered triglyceride synthesis

Metabolism, Host
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Babesia bigemina, acute cattle infection, plasma contains fibrin in monomer and high molecular weight forms, fibrin(ogen) degradation products not constantly detected, little or no evidence suggesting fibrinolysis or fibrin deposition; suggested that classic disseminated intravascular coagulation not present in B. bigemina infection

Metabolism, Host
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Metabolism, Host
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Trichuris suis, pigs (exper.), effects of infection on weight gains, digestion and absorption of nutrients, and nitrogen balance

Metabolism, Host
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Trichostrongylus colubriformis, lambs (exper.), feed utilization, calcium and phosphorus metabolism and serum protein fractions, before and after treatment with thiabendazole

Metabolism, Host
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Metabolism, Host
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Brugia pahangi-infected and normal Aedes aegypti, methylenetetrahydrofolate dehydrogenase (MTHFD) and reductase (MTHFR) activity, change in folate metabolism with advanced infections; suramin inhibited MTHFR activity but not MTHFD; MTHFR activity detected in crude extracts of adult parasites differed from that in mosquitoes

Metabolism, Host
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Metabolism, Host
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Metabolism, Host
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Trichostrongylus colubriformis, guinea pigs, primary and secondary infections, skeletal muscle protein catabolism, comparison with uninfected animals fed quantitatively reduced rations, catabolism which was depressed in all 3 groups was directly related to fall in food consumption

Metabolism, Host
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Metabolism, Host
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Metabolism, Host
Khovanskikh, A. E.; and Kuznetsova, N. A., 1975, Parazitologiia, Leningrad, v. 9 (1), 77-81
Eimeria tenella-infected chickens, intensity of C^{14}-glycine inclusion into proteins of various organs, changes in total proteins and gamma-globulin in blood serum, correlation between increased biosynthesis of proteins in immunocompetent organs and increase in gamma-globulin in blood serum

Metabolism, Host
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Metabolism, Host
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Trypanosoma lewisi, rats, iron metabolism, serum iron and serum iron-binding capacity, diets with various levels of iron

Metabolism, Host
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Metabolism, Host
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Trypanosoma cruzi, rats, study of changes in enzymatic activity in the duodenal Auerbach's plexus

Metabolism, Host
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Trichobilharzia ocellata-infected Lymnaea stagnalis, increased growth rate, reduced tissue glycogen, shifts toward anaerobiosis

Metabolism, Host
Momen, H., 1979, Ann. Trop. Med. and Parasitol., v. 73 (2), 117-121
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Metabolism, Host
Mustaikis, B.; and Medzevicius, A., 1978, Lietuvos TSR Moks. Akad. Darbai, s. C (82), (2), 75-83
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Metabolism, Host
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Raillietina tetragona-infected domestic fowl, disturbances of carbohydrate metabolism

Metabolism, Host
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effects of bovine pituitary growth hormone vs. Spirometra mansonoides plerocercoid growth factor on body growth and lipid composition in diabetic-hypophysectomized rats

Metabolism, Host
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Metabolism, Host
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Plasmodium lophurae, pyridoxine kinase in trophozoites and in duckling erythrocytes, results suggest that vitamin B_6 metabolism of malaria parasites is distinct and separate from that of host erythrocytes

Metabolism, Host
Przyjalkowski, Z.; and Malinowska, A., 1977, Acta Parasitol. Polon., v. 25 (1-10), 69-77
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Metabolism, Host
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Trichinella spiralis, conventional and biassociated (with Staphylococcus epidermidis and Escherichia coli) mice, carbohydrate metabolism in livers and intestines, metabolite levels, enzyme activities

Metabolism, Host
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Metabolism, Host
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S[chistosoma] mansoni, mice, studies on the lability of lysosomal membrane in infected livers and comparison with normal controls

Metabolism, Host
Scofield, A. M., 1978, Comp. Biochem. and Physiol., v. 59B (4), 295-298
Nematospiroides dubius- or Nippostrongylus brasiliensis-infected rats, Pasteur effect could not be shown in host jejunum mainly due to reduced rate of anaerobic lactate production, possible relationship of loss of Pasteur effect to immune response

Metabolism, Host
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Metabolism, Host
Simpson, M. G.; and Laurence, B. R., 1979, J. Parasitol., v. 65 (5), 732-736
Brugia patei, incorporation of radioactive precursors into filarial larvae developing in susceptible vs. refractory mosquito species and into mosquito flight muscle

Metabolism, Host
Stanislawski, E.; and Becker, W., 1979, Comp. Biochem. and Physiol., v. 63A (4), 527-533
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Metabolism, Host
Steelman, S. L.; et al., 1971, Recent Progr. Hormone Research, v. 27, 97-120
Spirometra mansonoides, comparative study of sparganum growth factor (SGF) and growth hormone: growth-promoting properties, metabolic actions on bone and protein synthesis, effects on carbohydrate and lipid metabolism, source and physicochemical properties of SGF, development of resistance to SGF (result of neutralizing antibodies)

Metabolism, Host
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Trichostrongylus vitrinus, sheep (exper.), chronic infection, food intake and body weight gains, food digestibility, body composition, bone chemistry and histology, serum constituents

Metabolism, Host
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Trichostrongylus colubriformis, guinea pigs with light to heavy infections, relationships between fall of food consumption and changes of body mass and skeletal muscle and liver protein synthesis

Metabolism, Host
Takhar, B. S.; and Farrell, D. J., 1979, Brit. Poultry Sc., v. 20 (2), 197-211
Eimeria acervulina- or Eimeria tenella-infected chickens, energy and nitrogen metabolism

Metabolism, Host
Takhar, B. S.; and Farrell, D. J., 1979, Brit. Poultry Sc., v. 20 (2), 213-224
Eimeria acervulina, chickens, single infection provides protection against adverse effects on energy and nitrogen metabolism of further similar infection

Metabolism, Host
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trypanosome-infected fish, reduced serum alkaline phosphatase levels and lowered metabolic activity

Metabolism, Host
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Cyathocotyle malayi-infected Filopaludina sumatrensis, activity of selected enzymes in digestive gland and hemolymph

Metabolism, Parasite
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Paragonimus westermani, Eurytrema pancreaticum, paper chromatographic analysis of carbohydrate metabolism, determination of amino acid fractions and other metabolites

Metabolism, Parasite
Alcaino, H.; and Baker, N. F., 1977, Arch. Med. Vet., Valdivia, v. 9 (1), 68-71
Fasciola hepatica, review of enzymes, isozymes and metabolic pathways

Metabolism, Parasite
Anwar, N.; et al., 1977, Ztschr. Parasitenk., v. 54 (1), 79-82
Litomosoides carinii, comparative uptake of labelled hexoses and synthesis of macromolecules

Metabolism, Parasite
Anya, A. O.; and Umezurike, G. M., 1978, Parasitology, v. 76 (1), 21-27
Rhabdias bufonis, respiration and carbohydrate energy metabolism

Metabolism, Parasite
Aoki, T.; and Oya, H., 1979, Comp. Biochem. and Physiol., v. 63B (4), 511-515
Schistosoma mansoni, demonstration of glutamine-dependent carbamoyl-phosphate synthetase, aspartate carbamoyltransferase, and dihydroorotase, results suggest the synthetase plays key role in control of pyrimidine biosynthesis de novo

Metabolism, Parasite
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physiology of fish parasites, review: chemical composition; physical environmental parameters (salinity, temperature, oxygen tension); nutrition (role of gut, role of tegument); metabolism (carbohydrates, nitrogenous compounds, lipids); growth physiology; host-parasite relations (pathology, host specificity and immunity)

Metabolism, Parasite
Bacchi, C. J.; et al., 1979, J. Protozool., v. 26 (3), 484-488
Trypanosoma brucei, bloodstream trypomastigotes, synthesis and content of polyamines

Metabolism, Parasite
Bachrach, U.; et al., 1979, Exper. Parasitol., v. 48 (3), 457-463
Leishmania spp., cellular levels and synthesis of polyamines during growth cycle, polyamines characteristics might serve as further criterion for strain identification and classification

Metabolism, Parasite
Ballantyne, A. J.; Sharpe, M. J.; and Lee, D. L., 1978, Parasitology, v. 76 (2), 211-220
Nippostrongylus brasiliensis, rats, Nematodirus battus, lambs, changes in parasite adenylate energy charge during course of infection, results indicate that immune response of host may affect energy status of these nematodes and this could help to explain their subsequent expulsion from the immune host

Metabolism, Parasite
Barrett, J., 1978, Parasitology, v. 76 (3), 269-275
Fasciola hepatica adults, activation of succinate dehydrogenase, significance of results in regulation of tricarboxylic acid cycle in parasitic helminths

Metabolism, Parasite
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Ascaris lumbricoides, muscle tissue, pyruvate and citrate metabolism

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Metamorphosis. See Ecdysis; Life cycle.

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(Dipylidium caninum; Cysticercus cellulosae; Taenia hydatigena; T. pisiformis; Oncicola canis; Ancylostoma caninum; Toxascaris leonina; Toxocara canis; Linguatula serrata)

Mexico
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human parasite survey: Almoloya del Rio, Estado de Mexico
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Mexican prehispanic helminthology better known due to publication of Florentine Codex in bilingual edition

Mexico
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comparative study of intestinal parasites in children from 2 school populations of different social and economic levels: Mexico
(Giardia lamblia; Endolimax nana; Iodamoeba buetschlii; Entamoeba histolytica; Entamoeba coli; Ascaris lumbricoides; Trichuris trichiura; Enterobius vermicularis; Hymenolepis nana; Strongyloides stercoralis)

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(Giardia lamblia; tricocefalos; Ascaris lumbricoides; Entamoeba histolytica; Strongyloides St.; Heminolepis nana (tenias); E. vermicularis)

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extensive review of literature and studies on human intestinal parasitism in Mexico (ascariasis; tricocefalosis; uncinariasis; estrongiloidosis; enterobiasis; himenolepiasis; teniasis; dipilidiasis; tricostrongiliasis)

Microscopy. See Technique, Microscopic; Technique, Electron microscopic.

Migration. [See also Disease transmission, Travel and migration]

Migration, Host
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Eimeria phasiani and E. colchici in Phasianus colchicus, dynamics of incidence dependent upon host biotope, host movements, season, temperature, and humidity: Mittelbohmen

Migration, Host
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Anisakis simplex in Salmo salar, parasite population genetics (acid phosphatase phenotypes), use as biological indicators of host stocks: Atlantic Ocean

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acqusition of parasites by Oncorhynchus gorbuscha during migration from Bella Coola River to Fitz Hugh Sound, British Columbia

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copepods of Merlangius merlangus and Platichthys flesus, seasonal changes in levels of infestation related to annual migrations of young fish into estuary, localization, age of host: Medway Estuary, Kent

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Cystidicola cristivomeri, presence in Salvelinus alpinus (swim bladder) as indicator of char feeding habits and as possible means of demonstrating that some char remain in lake for extended periods rather than migrating regularly to sea: Stanwell-Fletcher Lake, Somerset Island, N.W.T.

Migration, Host
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Philonema oncorhynchi, migration route of invasive juveniles in young sockeye salmon (exper.)

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Cysticercus tenuicollis, pigs (omentum), 3 cyst types (common, intermediate, degenerative) compared, migratory route of bladder worm

Migration, Parasite
Awwad, M.; and Bell, D. R., 1978, Ann. Trop. Med. and Parasitol., v. 72 (4), 389-390
Schistosoma mansoni, experiments to determine what attractants cause worms to migrate from liver to mesenteric veins around colon of host, results support hypothesis that feces contain an attractant

Migration, Parasite
Baird, C. R., 1979, J. Parasitol., v. 65 (4), 639-644
Cuterebra tenebrosa, incidence in Neotoma cinerea from April to November of 1970 and 1971, experimental infections attempted in captive rodents and rabbits, dosage level and effect on hosts, larval migration, site of larval development, acquired immunity, egg viability

Migration, Parasite
Barbosa, M. A.; et al., 1978, Rev. Inst. Med. Trop. S. Paulo, v. 20 (3), 121-132
Schistosoma mansoni, mice, parasite migration studied by mathematical equations, moment of maximum parasite recovery, asynchronic development, quantitative aspects

Migration, Parasite
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Ancylostoma caninum, distribution of larvae in central nervous system of mice infected with single or repeated doses

Migration, Parasite
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Ascaris lumbricoides, child, migration of gravid female worm from intestinal lumen into peritoneal cavity, resulting granuloma of anterior abdominal wall and miliary granulomata in peritoneal cavity, case report

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Parascaris equorum in worm-free pony foals (exper.), migration and development

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Migration, Parasite
Cooper, C. L.; Crites, J. L.; and Sprinkle-Fastkie, D. J., 1978, J. Parasitol., v. 64 (1), 102-107
Eustrongylides tubifex, third and fourth stage larvae, prevalence and intensity in various age/size classes of fish hosts with possible factors responsible for results, site selection, emergence behavior in relation to temperature as possible adaptation to facilitate rapid infection of definitive warm-blooded host upon ingestion of infected fish

Migration, Parasite
da Costa Sobrinho, V. M.; Ferreira, D.; and Faria, M., 1972, Rev. Goiana Med., v. 18 (3-4), 215-226
Ascaris lumbricoides, young child, extensive hepatic and intestinal ascariasis with migration of adult worm to right ventricle of heart, clinical and autopsy report: Planaltina (DF), Brasil

Migration, Parasite
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Nippostrongylus brasiliensis, factors which determine emergence from pulmonary circulation into alveoli and bronchioles of rat's lung, includes some brief observations on Ancylostoma tubaeforme

Migration, Parasite
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Ascaris lumbricoides, in vitro study suggests variations in pH of host intestine may be etiologic cause of parasite migration to bile ducts or of intestinal obstructions

Migration, Parasite
Dubey, J. P.; et al., 1979, Vet. Parasitol., v. 5 (4), 325-337
Paragonimus kellicotti, dogs (peritoneal cavity, pleural cavity, lungs) (exper.), migration and development, fecal diagnosis (sedimentation vs. McMaster technique), clinicopathological and hematologic data, radiologic findings, gross and microscopic pathology

Migration, Parasite
English, A. W., 1979, Austral. Vet. J., v. 55 (7), 306-309
equine strongyles, infective larvae, survival and migration on herbage with reference to season, climatic conditions, and types of pasture: southern Queensland

Migration, Parasite
Fukutome, S., 1975, Kiseichugaku Zasshi (Japan. J. Parasitol.), v. 24 (2), 49-54
Ancylostoma braziliense, A. ceylanicum, mice (exper.), migratory behavior and development

Migration, Parasite
Georgi, J. R.; et al., 1979, Parasitology, v. 79 (1), 39-47
Filaroides hirthi, migration and full development in Canis familiaris, development to 3rd stage in vitro

Migration, Parasite
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Haplometra cylindracea, cercariae, penetration, routes of migration, and development in Rana temporaria and R. arvalis (both exper.)

Migration, Parasite
Hendrickson, G. L., 1979, Exper. Parasitol., v. 48 (2), 245-258
Ornithodiplostumum ptychocheilus cercariae, migration to brain of Pimephales promelas

Migration, Parasite
Hopkins, C. A.; and Allen, L. M., 1979, Parasitology, v. 79 (3), 401-409
Hymenolepis diminuta in rats, effect of removing strobila on position of scolex in host intestine, effect on worm growth of operating on host

Migration, Parasite
Leigh, W. H., 1978, J. Parasitol., v. 64 (5), 831-834
Odhneriotrema incommodum, life history observations: metacercarial stage in Lepisosteus platyrhyncus shows marked affinity for female hosts; molluscan host unknown; migration after excystment in Alligator mississipiensis, host reaction (caused by secretions from parasite glands) forces relocation every few days, nature of host-parasite junction

Migration, Parasite
Londono M., I., 1975, Rev. Colomb. Entom., v. 1 (2-3), 27-37
Dipetalonema viteae, larval migration and distribution in Ornithodoros tartakowskyi, elimination of nematode larvae in tick coxal fluid may prevent hyperinfection, cannibalism transmits nematodes among ticks

Migration, Parasite
McCraw, B. M.; and Slocombe, J. O. D., 1978, Canad. J. Comp. Med., v. 42 (3), 340-356
Strongylus edentatus, ponies (exper.), development, lesions from 10 to 72 weeks postinfection

Migration, Parasite
MacKenzie, K.; and Gibson, D. I., 1970, Symposia Brit. Soc. Parasitol., v. 8, 1-42
Podocotyle sp., Cucullanus minutus, C. heterochrous, migration in host gut

Migration, Parasite
McLaughlin, J. D., 1977, Canad. J. Zool., v. 55 (2), 274-279
Cyclocoelum mutabile in Fulica americana (exper.), migratory route

Migration, Parasite
Melendez, R. D.; and Lindquist, W. D., 1979, J. Parasitol., v. 65 (1), 85-88
Ascaridia columbae in intravenously infected Columba livia, larvae completed tracheal migration and arrived at small intestine where they established patent infection, histopathological description of lung granulomas

Migration, Parasite
Mesfin, G. M.; and Bellamy, J. E. C., 1979, J. Parasitol., v. 65 (3), 469-471
Eimeria falciformis var pragensis, migration of sporozoites from absorptive to crypt epithelium of mouse colon

Migration, Parasite
Miller, P.; and Wilson, R. A., 1978, Parasitology, v. 77 (3), 281-302
Schistosoma mansoni in laboratory rodents, migration and development of schistosomula with emphasis on time spent in cutaneous tissue, numbers which fail to reach circulatory vessels and exit from the skin, and their route of exit

Migration, Parasite
Minard, P.; et al., 1978, Am. J. Trop. Med. and Hyg., v. 27 (1, pt. 1), 87-93
Schistosoma mansoni, migration pattern and lung stage recovery of nonirradiated and cobalt 60-irradiated schistosomes in nonimmunized mice and of challenge schistosomes in mice immunized with cobalt 60-irradiated cercariae

Migration, Parasite
Nicholls, J. M.; et al., 1978, J. Comp. Path., v. 88 (2), 261-274
Parascaris equorum, pony foals (exper.), pathological study of lungs, changes caused by migrating larvae

Migration, Parasite
Olatoregun, F. B. O.; and Itayemi, S. O., 1979, East African Med. J., v. 56 (7), 351-354
Ascaris lumbricoides, woman, migration into common bile duct following cholecystectomy and T-tube choledochotomy, pre-operative vermifuge recommended

Migration, Parasite
Oliveira, M. A.; et al., 1976, Rev. Inst. Med. Trop. S. Paulo, v. 18 (5), 298-300
Schistosoma mansoni, mice treated with oxamniquine vs. untreated mice, effects of drug on parasite migration and development in host

Migration, Parasite
Oshima, T., 1976, Kiseichugaku Zasshi (Japan. J. Parasitol.), v. 25 (6), 447-455
Toxocara canis, specific-pathogen-free beagles vs. prenatally infected mongrel dogs dewormed before inoculation (exper.), larval migration and development, eosinophilia after primary and superinfection, age resistance

Migration, Parasite
Owen, R. R., 1978, Ann. Trop. Med. and Parasitol., v. 72 (6), 567-571
Brugia pahangi, levels of migration and exsheathment of microfilariae in species of Aedes scutellaris complex as indicators to distinguish between refractory and susceptible mosquitoes

Migration, Parasite
Panin, V. Ia.; and Ksembaeva, G. Kh., 1971, Parazitologiia, Leningrad, v. 5 (4), 330-334
Eurytrema pancreaticum, migratory route and morphogenesis in rabbits and goats

Migration, Parasite
Parjatmo, W., 1973, Sains Malaysiana, v. 2 (2), 83-89
Ascaris suum, mice (exper.), larval migration pattern

Migration, Parasite
Pellegrino, J.; and Coelho, P. M. Z., 1978, J. Parasitol., v. 64 (1), 181-182
Schistosoma mansoni, mice with single worm-pair infections, oogram scanning, schematic distribution of first-stage eggs along host intestine, results confirm that female lays about 300 eggs per day, wide distribution reflects remarkable wandering capacity of schistosome pairs, findings support value of oogram method for drug screening purposes

Migration, Parasite
Pereira, L. H.; et al., 1972, Rev. Inst. Med. Trop. S. Paulo, v. 14 (5), 306-309
Schistosoma mansoni larvae, migration in albino mice

Migration, Parasite
Przyjalkowski, Z.; and Gorecka, T., 1976, Acta Parasitol. Polon., v. 24 (1-10), 57-67
Angiostrongylus cantonensis in germfree and conventional mice, establishment and migration, packed cell volume and differential white blood cell counts, in neither hosts did parasites reach maturity

Migration, Parasite
Radlett, A. J., 1979, Parasitology, v. 79 (3), 411-416
Notocotylus attenuatus, in domestic fowl, in vivo excystation of metacercariae, intracaecal growth and movement of worms, attachment of juvenile worms to host's caecum

Migration, Parasite
Rusak, L. V., 1974, Parazitologiia, Leningrad, v. 8 (2), 109-111
Hymenolepis nana, young and adult worms, changes in localization in intestine of white mice in course of a day

Migration, Parasite
Sharma, B. N.; and Sahai, B. N., 1979, Indian J. Animal Sc., v. 49 (3), 244-245
Setaria digitata, rabbit (exper.), histopathological alterations in host intestine as a result of migration of transplanted worms from cattle or buffalo

Migration, Parasite
Solonenko, I. G., 1970, Parazitologiia, Leningrad, v. 4 (5), 476-479
Hymenolepis nana, rats experimentally infected with eggs, occurrence of migration to mesenteric lymph nodes (with development to young adults) and liver (cysticercoids found)

Migration, Parasite
Sousa, O. E.; and Briceno, C. E., 1976, Rev. Med. Panama, v. 1 (2), 81-86
Enterobius vermicularis, human, ovarian parasitic granuloma thought to result from the erratic migration of an adult female worm, case report: Panama

Migration, Parasite
Sprent, J. F. A., 1977, Publicaciones Espec. (4), Inst. Biol., Univ. Nac. Autonom. Mexico, 477-485
Ophidascaris spp., Amplicaecum robertsi, review of speciation, development, and geographic distribution with particular reference to migratory behavior and growth in tissues of experimentally infected mice and pythons

Migration, Parasite
Srihakim, S.; and Swerczek, T. W., 1978, Am. J. Vet. Research, v. 39 (7), 1155-1160
Parascaris equorum, migratory pathway in pony foals (exper.), pathology (clinical signs, hematologic observations, gross and microscopic changes)

Migration, Parasite
Stromberg, P. C.; and Dubey, J. P., [1979], J. Parasitol., v. 64 (6), 1978, 998-1002
Paragonimus kellicotti, life cycle in cats (exper.): migration, development, growth, maturation, distribution in lungs, egg production

Migration, Parasite
Tantalean V., M.; et al., 1974, Rev. Inst. Med. Trop. S. Paulo, v. 16 (6), 332-336
Paragonimus peruvianus, rats, cats, route of larval migration

Migration, Parasite
Vetter, J. C. M.; and Leegwater-v.d. Linden, M. E., 1977, Ztschr. Parasitenk., v. 53 (2), 155-158
Ancylostoma braziliense, A. ceylanicum, A. caninum, comparative study of path of migration in skin of dog and speed of penetration

Migration, Parasite
Vetter, J. C. M.; and Leegwater-v.d. Linden, M. E., 1977, Ztschr. Parasitenk., v. 53 (3), 255-262
Ancylostoma braziliense, dogs, penetration and path of migration in skin

Migration, Parasite
Vetter, J. C. M.; and Leegwater-v.d. Linden, M. E., 1977, Ztschr. Parasitenk., v. 53 (3), 263-266
Ancylostoma braziliense, dogs, penetration and migration in metacarpal foot pads; suggested that migration from epidermis into deeper tissue depends on presence of hair follicle systems

Migration, Parasite
Wheater, P. R.; and Wilson, R. A., 1979, Parasitology, v. 79 (1), 49-62
Schistosoma mansoni, route and timing of migration in mice, quantitative histological techniques; histopathology of host response during migration

Migration, Parasite
Williams, H. H.; McVicar, A. H.; and Ralph, R., 1970, Symposia Brit. Soc. Parasitol., v. 8, 43-77
fish helminths, host specificity, body shape and orientation within host gut, habitat specificity and migrations within gut, host alimentary canal physiology

Migration, Parasite
Wilson, P. A. G., 1979, Parasitology, v. 79 (1), 29-38
Strongyloides ratti, tracking radioactive larvae in virgin female rats, nursing mothers, and suckling pups

Migration, Parasite
Wilson, P. A. G.; Cameron, M.; and Scott, D. S., 1978, Parasitology, v. 76 (2), 221-227
Strongyloides ratti, virgin rats at different stages of oestrous cycle, no differences in mean intestinal worm burden, thus changes in hormonal environment of migrating larvae did not alter worms' destination or affect their potential for development, other possible sources of variability in experimental infections, 'exact dose' technique as corrective for some procedural errors

Migration, Parasite
Wilson, R. A.; et al., 1978, Parasitology, v. 77 (1), 57-73
Schistosoma mansoni in mice, activity patterns and changes in body shape of schistosomula recovered from various locations during migration from skin to hepatic portal system, comparisons with schistosomula transformed and cultured in vitro

Migration, Parasite
Zembrzuski, K., 1970, Acta Parasitol. Polon., v. 18 (13-26), 231-244
Ascaris lumbricoides suis, guinea pigs, mean body weights and body temperatures during larval migration, numbers of larvae found in liver were slight in comparison with numbers found in lungs, abnormal migration pathway in abnormal host

Military medicine. See Medicine, Military.

Mines. See Occupational diseases.

Miscarriage. See Abortion.

Missouri. See United States, Missouri.

Mitochondria
Boczon, K.; and Michejda, J. W., 1978, Internat. J. Parasitol., v. 8 (6), 507-513
Trichinella spiralis, larvae, respiratory enzymes in mitochondria, results suggest conventional respiratory pathway may operate

Mitochondria
Docampo. R.; de Boiso, J. F.; and Stoppani, A. O. M., 1978, Biochim. et Biophys. Acta, v. 502 (3), 466-476
Trypanosoma cruzi, tricarboxylic acid cycle operation at kinetoplastmitochondrion complex: effect of ethidium bromide on growth and cytochrome content, substrate oxidation by dyskinetoplastic and cytochrome-deficient epimastigotes

Mitochondria
Fioravanti, C. F.; and Saz, H. J., 1978, J. Exper. Zool., v. 206 (2), 167-177
Spirometra mansonoides adults, "malic" enzyme, fumarate reductase, and transhydrogenase systems in mitochondria

Mitochondria
Hayashi, E.; et al., 1976, Kiseichugaku Zasshi (Japan. J. Parasitol.), v. 25 (3), 199-204
Ascaris lumbricoides suum ovary and muscle mitochondria, electron transfer and phosphorylation activities

Mitochondria
Ishikawa, M.; and Yamada, K., 1977, Kiseichugaku Zasshi (Japan. J. Parasitol.), v. 26 (2), 91-97
Ascaris suum, epithelial cells lining esophagus-foregut connection, pronounced mitochondrial response to carbon dioxide, possible cytophysiological function as cells of anaerobic respiration

Mitochondria
Koehler, P.; Bryant, C.; and Behm, C. A., 1978, Internat. J. Parasitol., v. 8 (5), 399-404
Fasciola hepatica, ATP synthesis in succinate decarboxylase system from mitochondria, inhibition in vitro by mebendazole and a soluble derivative of cambendazole

Mitochondria
Komuniecki, R.; and Saz, H. J., 1979, Arch. Biochem. and Biophys., v. 196 (1), 239-247
Ascaris, purification of lipoamide dehydrogenase from muscle mitochondria and its relationship to NADH:NAD+ transhydrogenase activity

Mitochondria
Martin, E.; and Mukkada, A. J., 1979, J. Biol. Chem., v. 254 (23), 12192-12198
Leishmania tropica promastigotes, identification of terminal respiratory chain in kinetoplast-mitochondrial complexes

Mitochondria
Riou, G. F.; and Saucier, J. M., 1979, J. Cell. Biol., v. 82 (1), 248-263
Trypanosoma equiperdum, characterization of molecular components in kinetoplast DNA of wild strain vs. mitochondrial DNA of dyskinetoplastic strain

Mitochondria
Robinson, J. M.; and Bogitsh, B. J., 1978, Exper. Parasitol., v. 45 (2), 169-174
Hymenolepis diminuta, biochemical properties of peroxidase activity in mitochondria

Mitochondria
Sharma, P. N., 1978, Indian J. Exper. Biol., v. 16 (11), 1202-1203
Ceylonocotyle scoliocoelium, monoamine oxidase, histochemical localization in lymphatic system, enzyme activity recorded in form of granules which represent mitochondria

Mitochondria
Weber, G., 1978, Naturwissenschaften, v. 65 (11), 601-602
Theileria annulata, atypical mitochondria identified by ultracytochemical demonstration of mitochondrial marker enzymes, presence of both succinic dehydrogenase and cytochrome oxidase activity suggests that respiratory chain is operative in sporozoites

Mitochondria
Weik, R. R.; and John, D. T., 1979, J. Parasitol., v. 65 (5), 700-708
Naegleria fowleri, cell and mitochondria respiration

Mitosis
Bustos Ruiz, M., 1977, Arch. Zootecn., Cordoba (104), v. 26, 349-390
Trichomonas gallinae, morphology, structural changes during division, action of colchicine on ultrastructure, optic and electron microscopy

Mitosis
Cachon, J.; and Cachon, M., 1979, Arch. Protistenk., v. 122 (3-4), 267-274
Apodinium [sp.], morphology, singular kinetochore structure

Mitosis
Gicquaud, C. R., 1979, Biol. Cell., v. 35 (3), 305-312
Entamoeba histolytica, nuclear ultrastructure, mitosis

Mitosis
Heywood, P.; and Weinman, D., 1978, J. Protozool., v. 25 (3, pt. 2), 287-292
Trypanosoma cyclops, mitosis, ultrastructure

Mitosis
Symons, L. E. A., 1978, J. Parasitol., v. 64 (5), 958-959
Nippostrongylus brasiliensis-infected rats, epithelial cell mitosis and morphology in worm-free regions of intestines, results show that changes are not due to mechanical action of parasites but to metabolic or other substances passing down intestinal tract and acting upon zones of proliferation, no change in rate of mitosis in esophagus or convoluted kidney tubules

Mixed infections
Aitken, M. M.; et al., 1978, J. Comp. Path., v. 88 (3), 433-442
Fasciola hepatica, effects of intravenous Salmonella dublin on cattle at different stages of fluke infection, susceptibility to S. dublin, possible serious effects

Mixed infections
Aitken, M. M.; et al., 1978, J. Comp. Path., v. 88 (4), 555-562
Fasciola hepatica, effects of flukes on response of rats to Salmonella dublin (lethal dose reduced; excretion of S. dublin enhanced and prolonged; infection persisted longer) were similar to those in cattle; similar effects not produced by Nippostrongylus brasiliensis

Mixed infections
Aitken, M. M.; et al., 1979, Research Vet. Sc., v. 27 (3), 306-312
Fasciola hepatica-infected and non-infected cattle, immune responses to Salmonella dublin, Brucella abortus, and ovalbumin

Mixed infections
Alexander, J.; and Phillips, R. S., 1978, Exper. Parasitol., v. 44 (1), 136-142
Leishmania mexicana, L. tropica major, lesion growth in mice was markedly inhibited by concurrent Trypanosoma brucei infections, possible mechanisms, may or may not have immunological basis

Mixed infections
Andrews, J. D., 1967, Proc. 1966 National Shellfish. Ass., v. 57, 38-49
Minchinia nelsoni (MSX), interaction with fungus pathogen Dermocystidium marinum, oysters, MSX prevents D. marinum from becoming epizootic

Mixed infections
Ata, A. A.; et al., 1978, Egypt. J. Bilharz., v. 4 (1), 1977, 47-51
bilharzial patients, presence of Australia antigen (specific marker for presence of viral hepatitis), latex agglutination test: endemic medical unit, Cairo University

Mixed infections
Au, A. C. S.; and Ko, R. C., 1979, Ztschr. Parasitenk., v. 59 (2), 161-168
Trichinella spiralis, Angiostrongylus cantonensis, cross-resistance in laboratory rats

Mixed infections
Balauca, N., 1978, Arch. Vet., Inst. Cercet. Vet. si Bioprep. Pasteur, v. 13, 127-141
experimental reproduction of necrotic enteritis in chicks with mixed infections of Clostridium perfringens and coccidia

Mixed infections
Barnetson, R. StC.; and Bryceson, A. D. M., 1978, Tr. Roy. Soc. Trop. Med. and Hyg., v. 72 (2), 160-163
human cutaneous leishmaniasis with concomitant leprosy, 8 case reports: Addis Ababa Leprosy Hospital, Ethiopia

Mixed infections
Bassily, S.; et al., 1979, J. Trop. Med. and Hyg., v. 82 (11-12), 248-251
schistosomiasis, human decompensated hepatosplenic, association with chronic hepatitis B antigenaemia

Mixed infections
Behnke, J. M.; Wakelin, D.; and Wilson, M. M., 1978, Exper. Parasitol., v. 46 (1), 121-130
Trichinella spiralis, delayed expulsion in mice concurrently infected with Nematospiroides dubius

Mixed infections
Bora, B. N.; Chaudhary, B. S.; and Singh, S. V., 1972, Rajasthan Med. J., v. 11 (4), 189-192
Taenia solium, widely disseminated calcified cysticerci in man with active bilateral tuberculosis, clinical aspects, case report: India

Mixed infections
Buck, A. A.; et al., 1978, Tropenmed. u. Parasitol., v. 29 (1), 61-70
human poly-parasitism, epidemiological and ecological features, occurrence, frequency, and distribution of multiple infections in rural communities, age and sex patterns: Chad; Peru; Afghanistan; Zaire

Mixed infections
Buck, A. A.; et al., 1978, Tropenmed. u. Parasitol., v. 29 (2), 137-144
human poly-parasitism, types of combinations, relative frequency, and associations of multiple infections, age and sex patterns: Chad; Peru; Zaire

Mixed infections
Buck, A. A.; Anderson, R. I.; and MacRae, A. A., 1978, Tropenmed. u. Parasitol., v. 29 (2), 145-155
poly-parasitism interferes with immunodiagnostic tests both directly and indirectly, examples and implications for epidemiological studies

Mixed infections
Buck, A. A.; Anderson, R. I.; and MacRae, A. A., 1978, Tropenmed. u. Parasitol., v. 29 (3), 253-268
polyparasitism, humans, epidemiology, assessment of combined effects of multiple infections on an individual's state of health, comparative analysis of field data obtained from several tropical villages

Mixed infections
Burden, D. J.; et al., 1978, Research Vet. Sc., v. 25 (3), 302-306
Fasciola hepatica, Ostertagia ostertagi, concurrent daily infection of calves, F. hepatica had little influence on size and structure of O. ostertagi worm population or vice versa; no evidence of clinical disease, no difference in weight gain compared to singly infected calves

Mixed infections
Campbell, N. J.; Dineen, J. K.; and Kelly, J. D., 1979, Research Vet. Sc., v. 26 (3), 391-393
effect of Taenia hydatigena infection on existing and concurrent infections of Fasciola hepatica in sheep

Mixed infections
Campbell, W. C.; Blair, L. S.; and McCall, J. W., 1979, Exper. Parasitol., v. 47 (3), 327-332
Brugia pahangi, Dirofilaria immitis, Mustela putorius furo is highly susceptible to both species, concurrent infections with both species may readily be established

Mixed infections
Capdevielle, P.; et al., 1979, Med. Trop., v. 39 (4), 445-452
shigelloses, humans, more severe infection if associated with Schistosoma mansoni or Entamoeba histolytica: Madagascar

Mixed infections
Carpenter, J. W.; and Hillman, C. N., 1979, Ann. Proc., Am. Ass. Zoo Vet., 36-47
Hepatozoon sp., Encephalitozoon sp., mixed infection in Siberian ferret kits (Mustela eversmanni): Patuxent Wildlife Research Center, Laurel, Maryland

Mixed infections
Carvalho Filho, E.; Queiroz, A. C.; and Rocha, H., 1976, Rev. Inst. Med. Trop. S. Paulo, v. 18 (2), 102-107
strongyloidiasis, fatal severe human infections with concommitant severe intestinal amoebiasis discovered at autopsies, possibly a result of interference with host defenses

Mixed infections
Charmes, J. P.; et al., 1978, Lancet, London (8062), v. 1, 499 [Letter]
scabies with secondary infection giving rise to acute glomerulonephritis, man, case report, need for diagnostic awareness especially if bacteria have invaded the skin: France

Mixed infections
Charyev, O. Ch., 1977, Izvest. Akad. Nauk Turkmen. SSR, s. Biol. Nauk (6), 70-71
piroplasmids, sheep, pure and mixed infections: Turkmenia

Mixed infections
Chaves, E.; et al., 1972, Rev. Inst. Med. Trop. S. Paulo, v. 14 (3), 222-229
Schistosoma mansoni, human, infection of lung complicating case of pulmonary cryptococcosis

Mixed infections
Christie, P. R.; Wakelin, D.; and Wilson, M. M., 1979, Parasitology, v. 78 (3), 323-330
Trichinella spiralis, Hymenolepis diminuta, rats, concurrent infections, cestode growth was stunted (dependent on relative timing of the 2 infections and on number of Trichinella administered) probably due to non-specific inflammatory component of host response to Trichinella, no loss of cestode nor destrobilation

Mixed infections
Copeland, D.; and Grove, D. I., 1979, Internat. J. Parasitol., v. 9 (3), 205-211
Toxoplasma gondii, Trichinella spiralis, concurrent infections in mice, intestinal worm burdens, muscle worm burdens, worm fecundity, resistance to newborn larvae, small bowel pathology, muscle inflammation, eosinophil levels, numbers of toxoplasma cysts in brain

Mixed infections
Coutinho, A., 1979, AMB, Rev. Ass. Med. Brasil., v. 25 (5), 185-188
S[chistosoma] mansoni, humans, factors related to development of clinical forms: clinical-epidemiological classification, clinical manifestations, related enterobacterial infections, decompensating pathologic findings

Mixed infections
Cox, F. E. G., 1977, Protozoology, v. 3, 129-134
Trypanosoma musculi, T. b. brucei, Babesia microti, mice, interactions between parasites

Mixed infections
Debray, C.; et al., 1975, Semaine Hop. Paris, v. 51 (45), 2735-2737
Fasciola hepatica, echinococcosis, man, mixed infection, case report

Mixed infections
Delia, S.; Nuti, M.; and Soro, S., 1977, Quad. Sclavo Diag. Clin. e Lab., v. 13 (2), 238-243
Schistosoma haematobium, Ancylostoma duodenale, higher frequency of hepatitis B antigen in persons with parasitic infections than in controls, possible role of skin penetrating parasites in the epidemiology of hepatitis B

Mixed infections
Domany, Z., 1976, Therap. Hungar., v. 24 (4), 148-151
Trichomonas vaginalis associated with candidiasis, women with vaginal infections, clinical trials with klion-D vaginal preparations: Hungary

Mixed infections
Doroshenko, K. G.; and Rogozenko, G. F., 1976, Terap. Arkh., v. 48 (12), 48-52
opisthorchiasis associated with brucellosis, humans, diagnosis, clinical aspects, importance of early treatment of parasitic infection, case reports

Mixed infections
Dykstra, D. D.; and Reid, W. M., 1978, Poultry Science, v. 57 (2), 398-402
Eimeria tenella, gnotobiotic chickens, monensin suppressed bacterial numbers in absence of Eimeria, prevented increase in bacterial numbers in presence of Eimeria

Mixed infections
Dyner, E., 1978, Acta Parasitol. Polon., v. 25 (11-20), 97-108
Trichomonas vaginalis, Bodo urinarius, growth in presence of various bacteria and fungi, possible implications

Mixed infections
El-Hawey, A. M.; Hablas, R.; and El-Maghraby, M. A., 1978, Egypt. J. Bilharz., v. 4 (1), 1977, 97-105
S[chistosoma] mansoni, humans, pathology, presence of bacteria, possible role in pathogenesis of parasitic infection

Mixed infections
Esch, G.; et al., 1976, Tr. Am. Micr. Soc., v. 95 (4), Finley Mem. Issue, pt. 2, 687-693
Epistylis-Aeromonas complex, centrarchid fish, incidence, spatial distribution of lesions, host size class (age), body condition, seasonal periodicity, influence of thermal effluent on disease: Par Pond reservoir, Savannah River Plant near Aiken, South Carolina

Mixed infections
Fadzil, M., 1977, Vet.-Med. Nachr. (1), 44-52
Stephanofilaria kaeli, cattle, incidence in different ecological areas, role of Staphylococcus aureus and S. albus in setting up the inflammation; neguvon: malaysischen Halbinsel

Mixed infections
Fadzil, M., 1977, Vet. Med. Rev. (1), 44-52
Stephanofilaria kaeli in cattle, prevalence, temperature and humidity in endemic areas favor vectors, Staphylococcus play important role in setting up inflammation, treatment with neguvon gave excellent results: west coast of Peninsular Malaysia

Mixed infections
Ferreira, J. M.; Bassoi, O. N.; and Shiroma, M., 1975, Rev. Inst. Med. Trop. S. Paulo, v. 17 (6), 368-379
Sch[istosoma] mansoni-infected humans also infected with typhoid fever, atypical aspects of bacterial infection, niridazole at times also cured typhoid, schistosomes may act as multiplication foci of bacteria within host

Mixed infections
Ferreira, J. M.; Bassoi, O. N.; and Shiroma, M., 1976, Rev. Hosp. Clin., S. Paulo, v. 31 (3), 144-150
Sch[istosoma] mansoni, human infections, associated prolonged infection with salmonellosis, suggests that schistosomes may operate as reservoirs for the multiplication of the Salmonellae, mixed infections cured by use of the antischistosomal drug (niridazole) alone

Mixed infections
Fuxa, J. R., 1979, J. Invert. Path., v. 33 (3), 316-323
Vairimorpha necatrix, interactions with bacterium, virus, and fungus in Heliothis zea (exper.)

Mixed infections
Gadzhiev, K. Sh., 1978, Veterinariia, Moskva (11), 67
B[abesia] colchica, cattle, course of infection simultaneous with P[asteurella] multocida infection: Azizbekov Shamkhorsk region, Azerbaidzhansk SSR

Mixed infections
Gajanana, A.; et al., 1979, Indian J. Med. Research, v. 70, 417-423
partial suppression of Plasmodium gallinaceum and P. vivax in Aedes aegypti and Anopheles stephensi doubly infected with Nosema algerae and Plasmodium, epidemiological significance

Mixed infections
Gregory, R. L.; Keller, G. C.; and Felsenfeld, O., 1973, South. Med. J., v. 66 (12), 1426-1428
Entamoeba histolytica, 17-year-old boy, acute diarrhea, concomitant infection with 2 Shigella strains, history, management, clinical course: Louisiana

Mixed infections
Hair, J. D.; and Holmes, J. C., 1975, Acta Parasitol. Polon., v. 23 (12-25), 253-269
usefulness of measures of diversity, niche width, and niche overlap in analysis of helminth communities in waterfowl, data suggest hypothesis that intestinal helminth fauna of Aythya affinis (particularly hymenolepidids) is composed of chance combination of ecological specialists whose microhabitats and populations are determined in part by inter-specific interactions

Mixed infections
Halawani, A. A.; Farag, H. F.; and Awadalla, H. N., 1977, Tropenmed. u. Parasitol., v. 28 (4), 478-480
Schistosoma haematobium-infected mice challenged with S. mansoni, changes in egg-distribution sites, cross-mating, complete absence of cross-immunity

Mixed infections
Hatsushika, R.; Maejima, J.; and Kamo, H., 1975, Kiseichugaku Zasshi (Japan. J. Parasitol.), v. 24 (3), 129-136
Paragonimus spp., experimental mixed infections, development and interspecific relationships in final host (dog, cat, or rat)

Mixed infections
Howard, R. J.; et al., 1978, Parasitology, v. 77 (3), 273-279
Trichinella spiralis, mice, effect of concurrent infection on survival and growth of Hymenolepis microstoma depends greatly on relative timing of the infections

Mixed infections
Ilemobade, A. A.; and Blotkamp, C., 1978, Tropenmed. u. Parasitol., v. 29 (4), 443-450
Eperythrozoon ovis, sheep (exper.), pathologic changes in blood picture, concurrent or superimposed infection with Trypanosoma vivax did not affect growth of either parasite

Mixed infections
Indermuehle, N. A., 1978, Schweiz. Arch. Tierh., v. 120 (10), 513-525
endoparasites, pigs, origin and age of host, mixed infections, parasitological and histopathological findings: Switzerland

Mixed infections
Jablonska, J., 1970, Acta Parasitol. Polon., v. 18 (42-50), 521-550
Analgesoidea mites on turdid birds, occurrence during host spring and autumn migrations, incidence, intensity, distribution on wings, population structure (sex ratios, developmental stages), host specificity, simultaneous infections: Poland

Mixed infections
Kamionek, M.; Sandner, H.; and Seryczynska, H., 1974, Acta Parasitol. Polon., v. 22 (22-34), 357-363
Neoaplectana carpocapsae, greater mortality of insect hosts in presence of mixed fungal infections

Mixed infections
Kaya, H. K., 1978, J. Invert. Path., v. 31 (3), 358-364
Neoaplectana carpocapsae adversely affects Apanteles militaris when the nematode invades Pseudaletia unipuncta before the parasitoids complete their development and are ready to emerge from the host, possible implications for use of N. carpocapsae as biological control agent of P. unipuncta

Mixed infections
Kaya, H. K.; and Brayton, M. A., 1978, J. Nematol., v. 10 (4), 350-354
Neoaplectana carpocapsae, development and reproduction in healthy and virus-infected Pseudaletia unipuncta; confirmation of presence of virus in intestine of nematodes, possibly useful in pest-management systems

Mixed infections
Kisielewska, K., 1970, Acta Parasitol. Polon., v. 18 (13-26), 197-208
intestinal helminths of Clethrionomys glareolus, inter-specific relationships within one host individual (antagonistic, indifferent, beneficial), seasonal variations: Poland

Mixed infections
Kloetzel, K.; et al., 1973, Rev. Soc. Brasil. Med. Trop., v. 7 (6), 359-366
human T[rypanosoma] cruzi and S[chistosoma] mansoni, statistics of prevalence survey of single and mixed infections; evaluation of area control programs: municipio de Uniao dos Palmares, Alagoas

Mixed infections
Kloetzel, K.; et al., 1977, Trop. and Geogr. Med., v. 29 (4), 407-410
Schistosoma mansoni-Toxoplasma gondii concomitant infections, mice, Schistosoma-Toxoplasma order of infection caused massive mortality, great weight loss and striking splenomegaly, Toxoplasma-Schistosoma order caused few notable effects

Mixed infections
Komiakov, V. S.; and Iatskiv, V. I., 1976, Terap. Arkh., v. 48 (5), 130-132
opisthorchiasis, lambliasis, and chronic throat infection associated with infectious-allergic form of myocarditis, 26-year-old man, case report

Mixed infections
Kropp, K. A.; Cichocki, G. A.; and Bansal, N. K., 1978, J. Urol., v. 120 (4), 480-482
Enterobius vermicularis, girls with recurrent urinary tract infections found to have higher incidence of enteric organisms on the introital areas and pinworm ova on anal skin than did normal controls, conclusive relationships not proved

Mixed infections
Ktari, M. H., 1977, Publicaciones Espec. (4), Inst. Biol., Univ. Nac. Autonom. Mexico, 61-67
Dionchus agassizi, D. remorae, anatomy, development, rate of parasitism on Echeneis naucrates, distribution of adults and egg clusters on gills: golfe de Tunis; golfe de Gabes

Mixed infections
Lantier, F.; et al., 1979, Compt. Rend. Acad. Sc., Paris, v. 289, s. D, Sc. Nat. (10), 757-760
Heligmosomoides polygyrus-infected mice, modifications in sensitivity to Salmonella abortus ovis challenge (more frequently infected after oral inoculation, lower fatality rate after sub-cutaneous inoculation)

Mixed infections
Lazdynia, M. A.; et al., 1976, Med. Parazitol. i Parazitar. Bolezni, v. 45 (2), 189-192
Ascaridia galli, volatile fatty acids, composition, effects on Eimeria tenella infection in chickens

Mixed infections
Linardi, P. M.; and Nagem, R. L., 1973, Rev. Brasil. Biol., v. 33 (4), 529-537
Pulicidae and other ectoparasites on dogs, survey, frequent mixed infections: Belo Horizonte and neighboring townships of Minas Gerais

Mixed infections
McDougald, L. R.; Karlsson, T.; and Reid, W. M., 1979, Avian Dis., v. 23 (4), 999-1005
coccidiosis, chickens (exper.), natural outbreak of infectious bursal disease (IBD) during comparison of anticoccidials for their effect on development of immunity, interaction between diseases, immunity to coccidiosis not blocked by IBD

Mixed infections
Machado, D. A. (filho), 1966, Atas Soc. Biol. Rio de Janeiro, v. 10 (3), 47-48
competition of Chaetogaster limnaei and S[chistosoma] mansoni in snail host

Mixed infections
Mammerickx, M.; and Dekegel, D., 1976, Ann. Soc. Belge Med. Trop., v. 56 (1), 47-53
Trypanosoma theileri, cattle, frequent mixed infection with enzootic bovine leukosis, no correlation between diseases but common arthropod vector hypothesized: Belgium

Mixed infections
Mapes, C. J.; and Coop, R. L., 1971, J. Comp. Path., v. 81 (4), 479-492
Haemonchus contortus chemically terminated or concurrent with Nematodirus battus in lambs lowered reproductive capacity and inhibited development of N. battus, results consistent with density-dependent physico-pharmacological mechanism of population control involving changes in host alimentary physiology (abomasal pH and Na$^+$ concentration)

Mixed infections
Marinho, R. P.; and Neves, J., 1974, Rev. Inst. Med. Trop. S. Paulo, v. 16 (2), 70-76
S[chistosoma] mansoni and septicemic salmonellosis, mixed human infection, both infections cured by hycanthone

Mixed infections
Matzen, P.; and Starklint, H., 1976, Ugeskr. Laeger, v. 138 (3), 157-158
Plasmodium falciparum, man, associated Salmonella bacteremia, death due to malarial cerebral edema, infected during conducted tourist trip to Gran Canaria and Gambia: Denmark

Mixed infections
Miller, B. R.; and DeFoliart, G. R., 1979, Am. J. Trop. Med. and Hyg., v. 28 (6), 1064-1066
Ascocystis barretti does not seem to be mechanism for dispersal of La Crosse virus infection via Aedes triseriatus larvae nor does concomitant parasite infection increase virus infection in larvae

Mixed infections
Molnar, K., 1979, Acta Vet., Budapest., v. 27 (1-2), 1977-1979, 99-113
Sphaerospora carassii, carp and grasscarp, incidence, pathology, moderately pathogenic, concurrent infection with Trichodina or other infections may depress host resistance and cause fatalities: pond farms, Hungary

Mixed infections
Moqbel, R.; and Wakelin, D., 1979, Exper. Parasitol., v. 47 (1), 65-72
Trichinella spiralis, Strongyloides ratti, immune interaction in adult rats, may involve interplay of cross-immunity and cross-suppression

Mixed infections
Mougeot, G.; Golvan, Y. J.; and Depernet, D., 1977, Bull. Soc. Sc. Vet. et Med. Comp. Lyon, v. 79 (3), 151-156
Schistosoma mansoni and Angiostrongylus cantonensis in Biomphalaria glabrata (exper.), interaction, effect on cercarial emission as related to timing of infections

Mixed infections
Murray, J.; et al., 1978, Am. J. Clin. Nutrition, v. 31 (8), 1363-1366
children with syndrome of enlarged parotids, localized forehead edema, heavy infestation with Ascaris lumbricoides, and unusual freedom from malaria, piperazine treatment of ascariasis resulted in attacks of malaria, suppression of malaria may be nutritional consequence of severe ascariasis and may represent ecological balance for optimum cosurvival of host and two parasites: Anjouan, Comorro archipelago

Mixed infections
Naik, S. R.; et al., 1978, Ann. Trop. Med. and Parasitol., v. 72 (5), 493-494
Giardia lamblia-infected vs. normal human jejunum, presence and frequency of Candida albicans and other fungi

Mixed infections
Narayanan, K.; and Jayaraj, S., 1979, Current Sc., Bangalore, v. 48 (18), 825 [Letter]
mixed infections of Nosema sp. and virus in Pericallia ricini and Spodoptera litura: India

Mixed infections
Nielsen, K.; et al., 1978, Experientia, v. 34 (1), 118-119
Trypanosoma lewisi-infected or decomplemented rats, increased susceptibility to Salmonella typhimurium infection; decomplemented rats subsequently infected with T. lewisi developed higher blood parasitemia than did normal T. lewisi-infected rats

Mixed infections
Nikol'skii, S. N.; Nikiforenko, V. I.; and Pozov, S. A., 1977, Veterinariia, Moskva (4), 71-75
Piroplasma jakimovi, cattle, morphological and biological comparison with P. bigeminum, epizootiology (Ixodes ricinus as main vector; frequent association with leptospirosis), treatment: Siberia

Mixed infections
Nikulin, T. G.; Shpak, G. E.; and Savchenko, V. F., 1977, Veterinariia, Moskva (10), 80-81
balantidiasis, oesophagostomiasis, mixed infection in swine (exper.), changes in carboanhydrase and alkaline phosphatase activities

Mixed infections
Nooman, M. Z.; et al., 1978, Egypt. J. Bilharz., v. 4 (1), 1977, 79-87
S[chistosoma] haematobium, course of liver disease in bilharzial patients infected with acute viral hepatitis as compared to nonbilharzial controls

Mixed infections
Oduye, O. O., 1975, Bull. Animal Health and Prod. Africa, v. 23 (1), 45-50
Demodex folliculorum bovis, cattle, clinical observations and gross pathology, histopathology, concomitant infections with Dermatophilus congolensis and Besnoitia besnoiti: Nigeria

Mixed infections
Oikawa, H.; and Kawaguchi, H., 1975, Kiseichugaku Zasshi (Japan. J. Parasitol.), v. 24 (3), 99-106
Eimeria acervulina, E. tenella, chickens, effect of single vs. repeated vs. successive infections of mixed species on manifestation of symptoms, food intake and body weight gain, and oocyst production

Mixed infections
Olszewska, G. M., 1975, Acta Parasitol. Polon., v. 23 (26-40), 329-338
Diorchis, 3 spp. in Fulica atra, distribution within host intestine in single and mixed infections of differing intensity

Mixed infections
Omer, A. H. S., 1978, Ann. Trop. Med. and Parasitol., v. 72 (2), 127-132
Schistosoma mansoni, case report of man with portal hypertension resulting from schistosomiasis, mixed infection with salmonellosis, congenital anomaly of situs invertus, unique combination: Sudan

Mixed infections
Onet, E.; Constantinescu, V.; and Sandu, G., 1978, Rev. Med. Vet., Toulouse, v. 129 (6), 933-937
Fasciola hepatica, cattle (biliary canal), isolation of 3 mycobacteria strains: Cluj abattoir, Rumania

Mixed infections
Ongom, V. L.; Ococi-Jungalo, A. H.; and Wamboka, J. W., 1977, East African Med. J., v. 54 (12), 678-679
mixed Schistosoma mansoni and S. bovis infection in Sudanese immigrant (stool), case report, significance in relation to current concepts on heterologous immunity discussed, infection possibly acquired from drinking river water frequented by wild animals: Uganda

Mixed infections
Ovchinnikov, N. M.; et al., 1978, Vestnik Dermat. i Venerol. (4), 16-21
Trichomonas vaginalis, survival of gonococci within phagosomes of parasite suggests T. vaginalis as possible reservoir for infections; various therapeutic trials used to treat mixed infections

Mixed infections
Oyerinde, J. P. O., 1978, Ann. Trop. Med. and Parasitol., v. 72 (4), 363-367
Necator americanus, Ancylostoma duodenale, species identification based on egg size and/or morphology of infective larvae, method of calculating proportions of each species in mixed infections: Nigeria

Mixed infections
Paris, J.; et al., 1976, Semaine Hop. Paris, v. 52 (34), 1870-1872
Schistosoma mansoni, man, case report, hepato-intestinal schistosomal infection with splenic involvement, complicated by cold tubercular abscess of the spleen: France (native of Martinique)

Mixed infections
Partono, F.; Purnomo; and Atmosoedjono, S., 1977, Southeast Asian J. Trop. Med. and Pub. Health, v. 8 (3), 371-374
Brugia timori, Wuchereria bancrofti, mixed infection, experimental feeding of mosquitoes on carrier to determine potential vectors

Mixed infections
Pedro, R. de J.; et al., 1979, Rev. Brasil. Pesqui. Med. e Biol., v. 12 (2-3), 207-211
Schistosoma mansoni, observations on oxamniquine therapy: treatment of children, drug resistance of human strain as well as its resistance to hycanthone, hepatic histopathology during therapy, neurotoxic effects, treatment of mixed salmonellosis infection

Mixed infections
Pence, D. B.; and Meinzer, W. P., 1979, Internat. J. Parasitol., v. 9 (4), 339-344
helminth fauna of Canis latrans, low similarity with those from other geographic regions in North America, associations between pairs of species in terms of frequency of occurrence, mean levels of infection in presence or absence of other species, host age and sex effects: West Texas

Mixed infections
Persson, K.; et al., 1979, Brit. J. Vener. Dis., v. 55 (6), 429-433
prevalence of micro-organisms in female genital tract, comparison in women from 2 health clinics; Trichomonas vaginalis had epidemiology similar to Chlamydia, Neisseria and Mycoplasma, older women had increased susceptibility to trichomoniasis

Mixed infections
Pilley, B. M., 1976, J. Invert. Path., v. 28 (2), 177-183
Vairimorpha necatrix [n. comb.] in Spodoptera exempta, pathogenicity (occurrence of bacteriosis and cytoplasmic polyhedrosis virus), life cycle (disporoblastic life cycle at 25°C and both disporoblastic and octosporoblastic life cycle at 20°C), implications of polymorphism in relation to classification of Microsporida

Mixed infections
Ponce, C.; Trochez, H.; and Zeledon, R., 1975, Rev. Biol. Trop., v. 22 (2), 1974, 289-303
Trypanosoma cruzi, T. rangeli, single and mixed infections, epidemiologic survey of area infested with Rhodnius prolixus: Departamento Francisco Morazan, Honduras

Mixed infections
Prost, A.; Nebout, M.; and Rougemont, A., 1979, Brit. Med. J. (6163), v. 1, 589-590
onchocerciasis in districts with and without high prevalence, prevalence of lepromatous leprosy about twice as high in areas where onchocerciasis is hyperendemic, reduced level of immunity because of onchocerciasis: Republic of Upper Volta, West Africa

Mixed infections
Przyjałkowski, Z., 1978, Acta Parasitol. Polon., v. 25 (21-35), 287-292
Trichinella spiralis in conventional mice and in germfree mice also infected with Staphylococcus epidermidis (alone or associated with Escherichia coli), numbers of established intestinal trichinellae, time of their expulsion, packed cell volumes, and white blood cell counts, results indicate that size of infective dose, age of mice, and type of intestinal flora play role in course of experimental trichinosis

Mixed infections
Przyjalkowski, Z.; and Malinowska, A., 1977, Bull. Acad. Polon. Sc., Cl. II, s. Sc. Biol., v. 25 (2), 95-100
Trichinella spiralis, conventional and biassociated (with Staphylococcus epidermidis and Escherichia coli) mice, carbohydrate metabolism in livers and intestines, metabolite levels, enzyme activities

Mixed infections
Rees, R. G. P.; and Shelley, A. J., 1977, Acta Amazonica, v. 7 (1), 47-49
Balantidium coli, Yanomama Indian, serious dysentery, case report, Ascaris lumbricoides and Trichuris trichiura also present, chlortetracycline, improved condition: Toototobi, norte do Estado do Amazonas, Brasil

Mixed infections
Reid, H. W.; et al., 1979, Infect. and Immun., v. 23 (2), 192-196
Trypanosoma brucei, mice, effect of chronic infection on course of louping-ill virus infection, results indicate that immunosuppressive effect of chronic trypanosomiasis may markedly increase susceptibility to acute virus infection and may alter epidemiology of arthropod-transmitted viruses

Mixed infections
Rocha, H.; et al., 1971, Rev. Inst. Med. Trop. S. Paulo, v. 13 (6), 399-404
Schistosoma mansoni, growth of Salmonella typhi in parasitized mice

Mixed infections
Rocha, H.; McCrory, M.; and de Oliveira, M. M. G., 1971, Rev. Inst. Med. Trop. S. Paulo, v. 13 (5), 328-332
S[chistosoma] mansoni-infected and uninfected mice injected with S[almonella] typhimurium, phagocytic function of reticulo-endothelial cells compared

Mixed infections
Rogozenko, G. F.; and Doroshenko, K. G., 1979, Sovet. Med. (5), 68-73
Opisthorchis as concomitant infection provoked exacerbations and relapses of human chronic brucellosis with more pronounced and longer lasting clinical symptoms

Mixed infections
Rostkowska, J., 1970, Acta Parasitol. Polon., v. 18 (27-41), 377-392
Balantidium coli, effect of various bacteria on propagation in vitro, on erythrophagocytic capability of balantidia, and on susceptibility of balantidia to atebrin, entobex, mexaform, and protargol; Trichomonas hominis, Chilomastix mesnili, and Dientamoeba fragilis found to be without effect; effect of balantidia on bacteria

Mixed infections
Ryning, F. W.; and Mills, J., 1979, West. J. Med., San Francisco, v. 130 (1), 18-34
Pneumocystis carinii and Toxoplasma gondii in normal and compromised host, special reference to concomitant infection with cytomegalovirus, general review

Mixed infections
Scalise, G.; et al., 1978, J. Med. Primatol., v. 7 (2), 114-118
Plasmodium inuei-infected Macaca mulatta had enhanced susceptibility to hepatitis B virus

Mixed infections
Schiefer, B.; and Loew, F. M., 1978, Vet. Path., v. 15 (3), 428-431
Entamoeba histolytica in pet Lagothrix (ileum), mixed infection with Salmonella, pathology: Saskatoon, Canada

Mixed infections
Schottelius, J., 1977, Tropenmed. u. Parasitol., v. 28 (4), 533-538
Trypanosoma cruzi, course of infection in non-splenectomized SPF rats with and without Haemobartonella muris infection

Mixed infections
Shirota, K.; et al., 1979, Japan. J. Vet. Sc., v. 41 (2), 119-129
Dirofilaria immitis, dogs, complication of interstitial nephritis: Tokyo and Tokyo area

Mixed infections
Silard, R.; et al., 1977, Arch. Roumaines Path. Exper. et Microbiol., v. 36 (1), 55-60
E[ntamoeba] histolytica, intrahepatic inoculation in Cricetus auratus of human strain associated with Blastocystis hominis, liver abscess, diagnosis, results demonstrate the tissue adaptability of B. hominis and its potential as a conditioned pathogen

Mixed infections
Smirnov, O. V., 1978, Entom. Obozr., v. 57 (3), 687-693
entomopathogens, including Microsporidia and Nematoda, interactions in mixed infections in one insect organism, review

Mixed infections
Snyder, S. P.; England, J. J.; and McChesney, A. E., 1978, Vet. Path., v. 15 (1), 12-17
Cryptosporidium [sp.] in Arabian foals with inherited combined immunodeficiency, mixed infection with adenovirus, difficult to separate effects of both disease agents: Colorado State University

Mixed infections
Sreemannarayana, O.; and Christopher, K. J., 1977, Indian J. Animal Health, v. 16 (2), 188
combined infection of Cysticercus bovis and sarcosporidiasis, bullock: slaughter house, Guntur, Andhra Pradesh, India

Mixed infections
Stone, J. E.; and Pence, D. B., 1978, J. Parasitol., v. 64 (2), 295-302
helminth parasitism of Felis rufus, nature, prevalence, intensity, ecological relationships of parasitism including concentration of dominance, similarity of helminth faunas between different geographic areas, and nature of distributions of aggregations of helminth species in this host: Rolling Plains of West Texas

Mixed infections
Strausbaugh, L. J.; et al., 1978, Am. J. Trop. Med. and Hyg., v. 27 (5), 919-923
Schistosoma mansoni with associated chronic salmonellosis, case reports of 2 patients with nephrotic syndrome who responded poorly to therapy, renal biopsies demonstrated amyloidosis: Egypt

Mixed infections
Taylor, S. M.; and Kenny, J., 1978, Vet. Parasitol., v. 4 (3), 257-264
infection of pigs with Oesophagostomum spp. does not affect specificity of ELISA (enzyme-linked immunosorbent assay) test for presence of antibody to Trichinella spiralis; cross-reactions between nematodes need not under most conditions be taken into account in interpretation of ELISA results

Mixed infections
de-The, G.; et al., 1978, Nature, London (5673), v. 274, 756-761
epidemiological evidence for causal relationship between Epstein-Barr virus and Burkitt's lymphoma from Ugandan prospective study, includes brief mention of possible association with malaria

Mixed infections
Toshkov, A.; et al., 1978, Ztschr. Parasitenk., v. 55 (1), 49-54
Trichinella spiralis in rats (exper.) infected 20 days later with Erysipelothrix rhusiopathiae, clinical and pathoanatomic changes in joints, immunological features

Mixed infections
Trifonov, T. R., 1978, Vet. Med. Nauki, v. 15 (6), 108-112
helminths of liver, sheep, 5 year postmortem survey, occurrence, mixed infections: Bourgas

Mixed infections
Vaes, M., 1979, Ann. Parasitol., v. 54 (3), 303-312
multiple infection of Hydrobia stagnorum with larval trematodes, interactions between parasite species: north of Belgium

Mixed infections
Vinayak, V. K.; and Chopra, A. K., 1978, Ann. Trop. Med. and Parasitol., v. 72 (6), 549-551
Syphacia obvelata-infected mice challenged intracaecally with Entamoeba histolytica trophozoites showed higher level of amoebic infection than mice without helminths, mice with heaviest helminth infection were most susceptible to amoebic infection

Mixed infections
Wagner, E. D.; and Nembhard, P. A., 1976, Kiseichugaku Zasshi (Japan. J. Parasitol.), v. 25 (1), 1-4
Trypanosoma equiperdum, mice, protective and synergistic effects of concurrent infection with Trichinella spiralis

Mixed infections
Walter, J. C., 1979, Internat. J. Parasitol., v. 9 (2), 137-140
Austrobilhariza terrigalensis in Velacumantus australis is always associated with germinal sacs of other trematodes and retards the development of these other species

Mixed infections
Weiss, N., 1978, Exper. Parasitol., v. 46 (2), 283-299
Dipetalonema viteae in 2 strains of hamster, lymphocyte blastogenesis (during different stages of primary infection, after injection of dead larvae, after implantation of adult worms, in mixed infection with Schistosoma mansoni), attempt to relate results with parasitological findings and with humoral immune response, analysis of cellular unresponsiveness to filarial antigens in chronically infected LAKZ hamsters

Mixed infections
Wilson, G. G., 1978, Canad. J. Zool., v. 56 (4), 578-580
feeding of Pleistophora schubergi to Choristoneura fumiferana naturally infected with Nosema fumiferanae results in greater adverse effects on budworms than either parasite alone, may play useful role in biological control

Mixed infections
Yousif, F.; and Laemmler, G., 1977, Ztschr. Parasitenk., v. 54 (3), 269-274
Angiostrongylus cantonensis infection of Biomphalaria glabrata had no inhibitory or retarding effect on subsequent Schistosoma mansoni infection

Mode of drug action. See Drugs, Mode of action.

Models, Disease models. See Technique, Experimental hosts.

Models, Laboratory hosts. See Technique, Experimental hosts.

Models, Mathematical. See Mathematical models and theory.

Models, Theoretical. See Mathematical models and theory.

Moisture. See Humidity.

Molting. See Ecdysis.

Monoclonal antibodies. See Immunity, Monoclonal antibodies.

Morocco
Bailly-Choumara, H.; Morel, P. C.; and Rageau, J., 1974, Bull. Soc. Sc. Nat. et Phys. Maroc, v. 54 (1-2), 71-80
catalogue of ticks of Morocco

Morocco
Cabaret, J.; and Ouhelli, H., 1978, Rev. Med. Vet., Toulouse, v. 129 (4), 603-610
parasitic nematodes, sheep (digestive tube), quantitative parasitic profile established after logarithmic transformation of information: Moulay-Bouazza district (Moyen-Atlas du Maroc)
(Trichostrongylus; Nematodirus; Cooperia; Oesophagostomum; Chabertia; Trichuris; Ostertagia)

Morphogenesis. See Development; Morphology.

Morphology. [See also Cytology; Dimorphism; Histology; Measurements; Polymorphism; Variation]

Morphology, Acanthocephala
Barabashova, V. N., 1971, Parazitologiia, Leningrad, v. 5 (5), 446-454
8 species of Acanthocephala, integument, structure and function, histological and histochemical investigations

Morphology, Acanthocephala
Buckner, R. L.; and Nickol, B. B., 1979, J. Parasitol., v. 65 (1), 161-166
Fessisentis, 4 species differ in several characters not obscured by geographical or host-induced morphological variation; F. fessus, confirmation of life cycle

Morphology, Acanthocephala
Byram, J. E.; and Byram, K. W., 1976, Rice Univ. Studies, v. 62 (4), 43-67
Moniliformis dubius, larval morphogenesis in Periplaneta americana, effect of temperature, season, photoperiod, and elevated temperature stress, morphological anomalies

Morphology, Acanthocephala
Dunagan, T. T.; and Miller, D. M., 1978, Proc. Helminth. Soc. Washington, v. 45 (1), 69-76
Moniliformis moniliformis, muscles of male reproductive system

Morphology, Acanthocephala
Dunagan, T. T.; and Miller, D. M., 1978, J. Parasitol., v. 64 (3), 431-435
Moniliformis moniliformis, anatomy of genital ganglion of male

Morphology, Acanthocephala
Golubev, A. I.; and Sal'nikov, V. V., 1979, Tsitologiia, v. 21 (9), 1100-1102
Echinorhynchus gadi, specialized junctions between neuron and interstital substance in cerebral ganglion, ultrastructure

Morphology, Acanthocephala
Graeber, K.; and Storch, V., 1978, Ztschr. Parasitenk., v. 57 (2), 121-135
Echinorhynchus gadi, Acanthocephalus lucii, Polymorphus minutus, Macracanthorhynchus hirudinaceus, integument, stereoscan and transmission electron microscopy; invaginations of outer plasma membrane increase absorptive surface, morphometric analysis, comparisons with other parasitic helminths and with rotifers

Morphology, Acanthocephala
Holcman-Spector, B.; Mane-Garzon, F.; and Dei-Cas, E., 1977, Rev. Biol. Uruguay, v. 5 (2), 67-76
Falsifilicollis sp., invaginated and disinvaginated larvae, description, sexual dimorphism in relation to size

Morphology, Acanthocephala
Huffman, D. G.; and Nickol, B. B., 1978, J. Parasitol., v. 64 (5), 851-859
Pomphorhynchus bulbocolli, P. rocci, meristogram analysis revealed that these 2 species can be easily distinguished by measuring length of one hook in the 60-80 'percent-position' region of the proboscis

Morphology, Acanthocephala
Jilek, R.; and Crites, J. L., 1979, Tr. Am. Micr. Soc., v. 98 (2), 243-247
Gracilisentis gracilisentis, mechanisms of hook and proboscis actions, variability in hook number and arrangement

Morphology, Acanthocephala
Marchand, B.; and Mattei, X., 1978, J. Ultrastructure Research, v. 63 (1), 41-50
Neoechinorhynchus agilis, flagellogenesis, positioning and disorganization of spermatic axoneme

Morphology, Acanthocephala
Marchand, B.; and Mattei, X., 1979, J. Ultrastructure Research, v. 66 (1), 32-39
Neoechinorhynchus agilis, ultrastructural modification of ovarian ball and spermatozoa after insemination of female, role of passive vs. active penetration

Morphology, Acanthocephala
Miller, D. M.; and Dunagan, T. T., 1977, Proc. Helminth. Soc. Washington, v. 44 (2), 201-205
Acanthocephala spp., lacunar system and tubular muscles

Morphology, Acanthocephala
Miller, D. M.; and Dunagan, T. T., 1978, J. Parasitol., v. 64 (3), 436-439
Oligacanthorhynchus tortuosa, organization of lacunar system

Morphology, Acanthocephala
Parshad, V. R.; and Guraya, S. S., 1978, Parasitology, v. 77 (2), 133-138
Centrorhynchus corvi, oocyte atresia in ovarian balls, morphological and histochemical observations

Morphology, Acanthocephala
Ravindranath, M. H.; and Anantaraman, S., 1977, Ztschr. Parasitenk., v. 53 (2), 225-237
Moniliformis moniliformis cystacanth in Periplaneta americana, light microscopy study of capsule and relationship to host reveals cellular nature of capsule, host's haemocyte infiltration into cyst fluid, and occasional double cystacanths in single envelopes suggesting host origin of capsule

Morphology, Acanthocephala
Wong, B. S.; Miller, D. M.; and Dunagan, T. T., 1979, J. Exper. Biol., London, v. 82, 273-280
Macracanthorhynchus hirudinaceus, body wall muscles, light and scanning electron microscopy, intracellular recording of potentials; Oligacanthorhynchus tortuosa, M. ingens, light microscopy of body wall muscles

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Morphology, Trematoda
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Fasciola hepatica, basal infolds and associated vacuoles of tegument: general and enzymatic histochemistry, osmotic behavior, theory outlining possible mode of operation of tegument as transporting epithelium

Morphology, Trematoda
Timofeeva, T. A., 1971, Parazitologiia, Leningrad, v. 5 (6), 517-523
Aspidogaster conchicola, nervous system, structure and development

Morphology, Trematoda
Tinsley, R. C., 1978, Parasitology, v. 77 (2), 121-132
Eupolystoma anterorchis, oviposition; hatching; oncomiracidium, distribution of tegumental ciliated cells and sensillae, systematic implications

Morphology, Trematoda
Tinsley, R. C.; and Owen, R. W., 1979, J. Helminth., v. 53 (4), 307-316
Xenopodistomum xenopodis from Xenopus laevis laevis (gall bladder), morphology, growth and development, prevalence and intensity of infection, absence of pathological effects, parasite's diet: imported to England from Cape Flats, near Cape Town, South Africa

Morphology, Trematoda
Tongu, Y.; et al., 1975, Kiseichugaku Zasshi (Japan. J. Parasitol.), v. 24 (5), 312-317
Metagonimus takahashii, M. yokogawai, fine structure of penetration gland cells

Morphology, Trematoda
Tulloch, G. S.; et al., 1977, Tr. Am. Micr. Soc., v. 96 (1), 41-47
Schistosoma mattheei, surface structures of integument suggest basic adaptations for clasping of male and female schistosomes and for parasite attachment to host, scanning electron microscopy; taxonomic implications

Morphology, Trematoda
Voge, M.; Price, Z.; and Bruckner, D. A., 1978, J. Parasitol., v. 64 (4), 585-592
Schistosoma mansoni, development of tegumental surface in mammalian host, scanning electron microscopy

Morphology, Trematoda
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Schistosoma mekongi, changes in tegumental surface of male and female worms during development in mice

Morphology, Trematoda
Voge, M.; Price, Z.; and Jansma, W. B., 1978, J. Parasitol., v. 64 (2), 368-372
Schistosoma japonicum adults, surface structure, no obvious differences among several geographic strains

Morphology, Trematoda
Vogel, H.; and Voelker, J., 1978, Tropenmed. u. Parasitol., v. 29 (4), 385-405
Troglotrema acutum, life cycle in intermediate and definitive hosts, morphology of eggs, rediae, cercariae and metacercariae: Deutschland

Morphology, Trematoda
Wittrock, D. D., 1978, Ztschr. Parasitenk., v. 57 (2), 145-154
Quinqueserialis quinqueserialis, ultrastructure of ventral papillae, suggested that papillae are nonglandular and may function in nutrient absorption

Morphology, Trematoda
Zdarska, Z., 1970, Folia Parasitol., v. 17 (1), 31-47
Notocotylus attenuatus, cercaria, relationship of gland cells to layers of cyst wall of adolescaria, morphology, histochemistry

Morphology, Trematoda
Zdarska, Z., 1971, Folia Parasitol., v. 18 (3), 207-213
Echinoparyphium aconiatum, larval stages, body tegument, histochemistry, morphology

Morphometric data. See Measurements; Morphology.

Motility. See Locomotion and motility.

Motion pictures
Densen, P.; et al., 1978, Infect. and Immun., v. 22 (1), 282-285
Schistosoma mansoni, demonstration of eosinophil degranulation on surface of opsonized schistosomules by phase-contrast cinemicrography

Motion pictures
Meyer, H.; and Musacchio, M. de O., 1974, Rev. Inst. Med. Trop. S. Paulo, v. 16 (1), 7-9
Toxoplasma gondii in tissue culture, life cycle and development recorded by microcinematographic study in phase contrast

Moulting. See Ecdysis.

Mounting of specimens. See Technique, Specimen preparation and preservation.

Mouth, Host
Musaev, F. A., 1972, Parazitologiia, Leningrad, v. 6 (2), 185-188
Trichomonas elongata, occurrence in oral cavity of healthy persons vs. those with oral cavity diseases, host age and sex, suitable media for cultivating trichomonads, activity in vitro of several medicinal substances, role of trichomonads in peridontitis confirmed by treatment of patients with trichopol

Mozambique
Teixeira Santos, N., 1973, Rev. Cien. Med., Univ. Lourenco Marques, s. A, v. 6 (2), 243-264
intestinal parasites, incidence survey of Bantu children 5 years old and under living in suburban areas surrounding Lourenco Marques, Mozambique
(Ascaris lumbricoides; Trichuris trichiura; Ancylostomidae; Giardia lamblia; Strongyloides stercoralis; Schistosoma mansoni; Entamoeba coli; Iodamoeba buetschlii; Endolimax nana)

Muscles. [See also Musculoskeletal system]

Muscles, Host
Casey, M. A.; and Harley, J. P., 1978, Exper. Parasitol., v. 44 (1), 66-71
Trichinella spiralis-infected vs. uninfected mice, skeletal muscle membrane potentials

Muscles, Host
Czesnel, Z., 1970, Roczniki Pomor. Akad. Med. im. Gen. K. Swierczewskiego Szczecinie, v. 16, 375-390
Trypanosoma equiperdum-infected guinea pigs (exper.), alterations in cardiac muscles, observations on ECG records, histological and histochemical estimations of glycogen content, pyruvic acid levels in blood, evidence of vitamin B_1 deficiency

Muscles, Host
Gabryel, P.; and Gustowska, L., 1970, Acta Parasitol. Polon., v. 18 (1-12), 1-6
Trichinella spiralis-infected rats and humans, basophilia of muscle fibers considered to favor growth and survival of the parasite larvae

Muscles, Host
Greer, C. A.; Cain, G. D.; and Schottelius, B. A., 1979, J. Parasitol., v. 65 (5), 825-827
Trypanosoma brucei-infected rats, changes in vascular smooth muscle contractility

Muscles, Host
Kasprzak, K.; et al., 1971, Acta Parasitol. Polon., v. 19 (1-8), 1-7
Trichinella spiralis-infected rat muscles, distinct aberration in incorporation of glycine-1-^{14}C and 1-lysine-^{14}C

Muscles, Host
Mansour, S. E., 1979, NATO Advanced Study Inst. Ser., s. A, Life Sc., v. 24, 643-644
schistosomiasis, human, muscular changes

Muscles, Host
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Toxoplasma gondii, serologic data suggest that idiopathic inflammatory muscle disease is associated with recent active infection in certain patients, pathogenetic role of microorganism remains uncertain

Muscles, Parasite
Batson, B. S., 1979, Internat. J. Parasitol., v. 9 (6), 495-503
Gastromermis boophthorae, body wall, ultrastructural changes during life cycle, alkaline phosphatase activity, relationship to transcuticular uptake of nutrients

Muscles, Parasite
Bogoiavlenskii, Iu. K., 1971, Trudy Gel'mint. Lab., Akad. Nauk SSSR, v. 22, 21-34
nematodes of various taxonomic and ecological groups, comparative micromorphological analysis of somatic musculature

Muscles, Parasite
Bogoiavlenskii, Iu. K.; and Nikitina, R. V., 1973, Trudy Gel'mint. Lab., Akad. Nauk SSSR, v. 23, 36-40
Ascaridia compar, fine structure of cuticle, hypodermis, and somatic musculature

Muscles, Parasite
Byerly, L.; and Masuda, M. O., 1979, J. Physiol., v. 288, 263-284
Ascaris lumbricoides, voltage-clamp analysis of potassium current that produces negative-going action potential in pharyngeal muscle

Muscles, Parasite
Davydov, O. N., 1971, Parazitologiia, Leningrad, v. 5 (3), 237-240
Ascaris suum, changes in motor activity in relation to temperature, effect primarily on musculature and secondarily on nervous system

Muscles, Parasite
Dunagan, T. T.; and Miller, D. M., 1978, Proc. Helminth. Soc. Washington, v. 45 (1), 69-76
Moniliformis moniliformis, muscles of male reproductive system

Muscles, Parasite
Fetterer, R. H.; et al., 1978, Exper. Parasitol., v. 46 (1), 59-71
Schistosoma mansoni, physical and chemical factors affecting mechanical properties of adult male musculature in vitro (incubation media, buffers, temperature, osmolality, pH, ions), improvements in system for recording motor activity; results indicate that S. mansoni musculature is similar to smooth muscle found in mammals

Muscles, Parasite
Goil, M. M.; and Harpur, R. P., 1978, Parasitology, v. 77 (1), 97-102
Ascaris suum, aldose reductase and sorbitol dehydrogenase in muscle

Muscles, Parasite
Guttekova, A.; and Zmoray, I., 1978, Biologia, Bratislava, s. B, Zool. (2), v. 33 (5), 387-394
Bunostomum trigonocephalum, body wall (cuticle, hypodermis, and somatic musculature), ultrastructure

Muscles, Parasite
Hamada, G. S.; and Wertheim, G., 1978, Internat. J. Parasitol., v. 8 (5), 405-414
Mastophorus muris, ultrastructure of somatic muscle development

Muscles, Parasite
John, S. E.; and Nair, N. B., 1977, Zool. Anz., Jena, v. 198 (1-2), 68-74
Lernaeenicus hemirhamphi, head and oral muscles and processes, description, function, method of feeding

Muscles, Parasite
Lapp, D. F.; and Mason, S. L., 1978, J. Parasitol., v. 64 (4), 645-650
Ascaris suum, trehalase, isolation from muscle, partial purification and characterization, distribution in nematode tissues

Muscles, Parasite
Miller, D. M.; and Dunagan, T. T., 1977, Proc. Helminth. Soc. Washington, v. 44 (2), 201-205
Acanthocephala spp., lacunar system and tubular muscles

Muscles, Parasite
Miller, P. L., 1977, J. Insect. Physiol., v. 23 (7), 855-860
Crataerina pallida, haltere activity and possible functions in this flightless hippoboscid fly, very brief observations on Melophagus ovinus (halteres absent), Hippobosca equina, and an apterous African nycteribiid

Muscles, Parasite
Ohmori, Y., 1975, Kiseichugaku Zasshi (Japan. J. Parasitol.), v. 24 (2), 81-86
female hookworms and nodular worms, arrangement of somatic muscle cells

Muscles, Parasite
Ohmori, Y., 1975, Kiseichugaku Zasshi (Japan. J. Parasitol.), v. 24 (4), 237-240
Equinurbia sipunculiformis, Choniangium epistomum, Murshidia falcifera, females, arrangement of somatic muscle cells

Muscles, Parasite
Ohmori, Y.; and Ohbayashi, M., 1975, Kiseichugaku Zasshi (Japan. J. Parasitol.), v. 24 (5), 294-299
Strongylidae, Ancylostomatidae, females, arrangement of somatic muscle cells

Muscles, Parasite
Ohmori, Y.; and Ohbayashi, M., 1975, Kiseichugaku (Japan. J. Parasitol.), v. 24 (6), 375-378
Quilonia travancra, female, arrangement of somatic muscle cells, muscle deficiency found in female Decrusia additicta

Muscles, Parasite
Ohmori, Y.; Ohbayashi, M.; and Sharma, R. K., 1977, Kiseichugaku Zasshi (Japan. J. Parasitol.), v. 26 (4), 230-232
Stephanurus dentatus, female, arrangement of somatic muscle cells

Muscles, Parasite
Ohmori, Y.; and Tsunoda, K., 1977, Kiseichugaku Zasshi (Japan. J. Parasitol.), v. 26 (4), 233-234
Syngamus trachea, female, arrangement of somatic muscle cells

Muscles, Parasite
Rozhkova, E. K.; Maliutina, T. A.; and Shishov, B. A., 1978, Zhurnal Evoliuts. Biokhim. i Fiziol., v. 14 (6), 597-599
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Muscles, Parasite
Shaw, M. K., 1979, Ztschr. Parasitenk., v. 58 (3), 243-258
Gastrocotyle trachuri, ultrastructure of clamp wall, possible role in attachment

Muscles, Parasite
Shishov, B. A., 1971, Parazitologiia, Leningrad, v. 5 (4), 341-343
Eustrongylides excisus, localization of cholinesterase activity in neural and muscular structures

Muscles, Parasite
Shishov, B. A., 1973, Parazitologiia, Leningrad, v. 7 (5), 475-478
Macracanthorhynchus hirudinaceus, Acanthocephalus lucii, cholinesterase activity in nuscular and nervous tissue

Muscles, Parasite
Shishov, B. A.; and Chuprov, A. K., 1971, Trudy Gel'mint. Lab., Akad. Nauk SSSR, v. 21, 133-140
Ascaridia galli, cholinesterase activity in nerve and muscle tissue

Muscles, Parasite
Shishov, B. A.; and Maliutina, T. A., 1974, Trudy Gel'mint. Lab., Akad. Nauk SSSR, v. 24, 258-262
Ascaridia galli, somatic musculature, reaction to cholinergic substances (acetylcholine, arecoline, and others)

Muscles, Parasite
Silk, M. H.; and Spence, I. M., 1969, South African J. Med. Sc., v. 34 (1), 11-20
Schistosoma mansoni, adults, musculature, ultrastructure

Muscles, Parasite
Sundararaman, V.; and Nadakal, A. M., 1979, Cell and Tissue Research, v. 201 (3), 479-486
Cercaria chackai, striated muscle of tail, ultrastructure

Muscles, Parasite
Terenina, N. B., 1971, Trudy Gel'mint. Lab., Akad. Nauk SSSR, v. 22, 203-207
ascarids, effect of pharmacological substances (acetylcholine, adrenalin, noradrenalin, gamma-aminobutyric acid, serotonin, and others) on the contractile activity of female genital tract

Muscles, Parasite
Tomita, S., 1975, Kiseichugaku Zasshi (Japan. J. Parasitol.), v. 24 (2), 61-77
Thelazia callipaeda, ultrastructure of body wall

Muscles, Parasite
Valvassori, R.; and de Equileor, M., 1977, Atti Accad. Naz. Lincei, Roma, s. 8, ann. 373, v. 61 (5), 1976, 495-502
Anoplocephala magna, fine structure of longitudinal and circular muscles, electron microscopy

Muscles, Parasite
  Wong, B. S.; Miller, D. M.; and Dunagan, T. T., 1979, J. Exper. Biol., London, v. 82, 273-280
    Macracanthorhynchus hirudinaceus, body wall muscles, light and scanning electron microscopy, intracellular recording of potentials; Oligacanthorhynchus tortuosa, M. ingens, light microscopy of body wall muscles

Musculoskeletal system. [See also Bones; Muscles]

Musculoskeletal system
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    Dirofilaria immitis microfilaria found in synovial fluid of laboratory dog; microfilaria, probably Dipetalonema sp. in synovial membrane vessel lumen of monkey knee joint

Museums. [See also Collections]

Museums
  Amaro, A.; and Sena, S., 1967, Atas Soc. Biol. Rio de Janeiro, v. 10 (6), 125-127
    [Opalinidae], paratypes of species in Metca collection deposited in American Museum of Natural History: United States

Mutations. See Genetics.

Myeloencephalitis. See Encephalomyelitis.

Native immunity. See Immunity, Native; Resistance, Host.

Natural immunity. See Immunity, Native; Resistance, Host.

Nephritis. See Kidney.

Nephrosis. See Kidney.

Nervous system. [See also Brain]

Nervous system, Host
Alarcon G., T.; and Olivares L., L., 1975, Rev. Invest. Clin., v. 27 (3), 209-215
human cerebral cysticercosis, diagnosis by complement fixation or evidence of calcifications on X-ray, clinical symptoms, frequent coexistence of cysticercosis with other central nervous system conditions in areas of high prevalence

Nervous system, Host
Almeida, H. O.; et al., 1977, Virchows Arch. A, Path. Anat. and Histol., v. 376 (4), 353-360
Trypanosoma cruzi, mice, acute phase of infection, decrease in substance P activity of colon could be related to reduction in total number of dense vesicles in Auerbach's plexus

Nervous system, Host
Antoine, P., 1977, Ann. Soc. Belge Med. Trop., v. 57 (4-5), 227-248
Trypanosoma gambiense, humans, neurologic and psychologic pathology, analysis of 50 cases: Kinshasa, Zaire

Nervous system, Host
Bassett, M. L.; Danta, G.; and Cook, T. A., 1978, Brit. Med. J. (6129), v. 2, 19
Giardia lamblia, humans with associated peripheral neuropathy of unknown etiology, 2 case reports, resolution of giardiasis and neurological symptoms after metronidazole therapy

Nervous system, Host
Bhopale, M. K.; and Johri, G. N., 1978, J. Helminth., v. 52 (2), 109-113
Ancylostoma caninum, distribution of larvae in central nervous system of mice infected with single or repeated doses

Nervous system, Host
Bicik, V.; and Lysek, H., 1970, Acta Parasitol. Polon., v. 18 (1-12), 99-105
Mesocestoides litteratus, Taenia pisiformis, cat, tapeworm infection apparently had detrimental effect on host's space discrimination of acoustic signals, marked improvement after anthelmintic treatment, results indicate significant unfavorable influence of cestodiasis on function of central nervous system

Nervous system, Host
Bouvier, M.; et al., 1974, Rev. Rhumatisme et Mal. Osteo-Art., v. 41 (3), 173-177
human echinococcosis, solitary epidural cyst, radiologic diagnosis, clinical management, surgical excision, case report

Nervous system, Host
Bronzina, A.; et al., 1977, Rev. Neurol. Argentina, v. 3 (3), 483
Trypanosoma cruzi subcellular antigenic fractions, affinity for rat tissue from Auerbach's plexus and from myocardium, brief report

Nervous system, Host
Carbajal, J. R.; et al., 1977, Radiology, v. 125 (1), 127-131
human cysticercosis with nervous system involvement, radiologic features, value of computed tomography in assessing infections

Nervous system, Host
Cravero, G. C., 1977, Ann. Fac. Med. Vet. Torino, v. 24, 144-153
Toxoplasma gondii, calf, congenital encephalomyelitis, perivascular mononuclear infiltrations, nodular gliosis and granulomatous lesions in spinal cord

Nervous system, Host
Doutlik, S.; and Kouba, K., 1974, Psychiat., Neurol. u. Med. Psychol., v. 26 (2), 91-97
human congenital and acquired toxoplasmosis, aspects of nervous system involvement, case reviews, clinical findings, therapy

Nervous system, Host
Ehrensperger, F.; and Suter, M., 1977, Kleintier-Praxis, v. 22 (2), 59-62
Toxoplasm[a sp.], puppies, radiculoneuritis, clinical and pathological findings

Nervous system, Host
Elies, W.; and Pirschel, J., 1976, ROEFO, v. 124 (2), 187-188
human Echinococcus cysticus, myelographic diagnosis of cyst of lumbosacral area of spine with intravertebral involvement

Nervous system, Host
El-Sawy, M.; et al., 1979, NATO Advanced Study Inst. Ser., s. A, Life Sc., v. 24, 277-279
schistosomiasis in patients with and without neurological symptoms, circumoval precipitin test, indirect haemagglutination test, and immunoglobulins in serum and cerebrospinal fluid

Nervous system, Host
Fiorani, S. A. S.; et al., 1976, AMB, Rev. Ass. Med. Brasil., v. 22 (2), 41-44
Trypanosoma cruzi, mice, neuron lesions of juxtaprostatic pelvic ganglion, applications for human testicular lesions and genital misfunctions in human infections

Nervous system, Host
Goepel, W., 1970, Psychiat., Neurol. u. Med. Psychol., v. 22 (1), 32-38
human cysticercosis, case report of patient with generalized cerebral infection manifesting as meningoencephalitis, diagnosis only after surgical intervention

Nervous system, Host
Gorman, R. J.; and Snead, O. C., 1978, Clin. Pediat., Philadelphia, v. 17 (3), 249-251
tick paralysis in 3 children (one case caused by Ixodes scapularis), different presenting neurologic symptoms with each child, tick discovered on each, clinical case reports, importance of differential diagnosis in acute onset of paralysis or ataxia: Mississippi

Nervous system, Host
Jardim, E., 1971, Rev. Inst. Med. Trop. S. Paulo, v. 13 (6), 405-410
T[rypanosoma] cruzi-infected rats, demonstration of neurological pathology

Nervous system, Host
Khoury, E. L.; et al., 1979, Clin. and Exper. Immunol., v. 36 (1), 8-15
T[rypanosoma] cruzi, human, presence of circulating antibodies to peripheral nerve, significant association with EVI antibodies, possible role in pathogenesis of Chagas' disease

Nervous system, Host
Koeberle, F., 1974, Ciba Found. Symp., n.s. (20), 137-158
Chagas' disease, pathogenesis of late manifestations which are essentially neuropathies, review

Nervous system, Host
Kunze, K.; and Gothe, R., 1978, Ztschr. Parasitenk., v. 56 (3), 275-285
Argas walkerae, in vitro effects of tick paralysis toxin on chicken peripheral nerves under oxygen saturated and anoxic conditions

Nervous system, Host
Machado, A. B. M.; Machado, C. R. S.; and Gomez, M. V., 1979, Exper. Parasitol., v. 47 (1), 107-115
Trypanosoma cruzi-infected rats, acetylcholine content and cholinergic innervation of heart

Nervous system, Host
Machado, C. R. S.; Machado, A. B. M.; and Chiari, C. A., 1978, Am. J. Trop. Med. and Hyg., v. 27 (1, pt. 1), 20-24
Trypanosoma cruzi, rats, heart norepinephrine levels at different periods after infection, results suggest that sympathetic nerve fibers are destroyed in acute phase and regenerated during chronic phase

Nervous system, Host
Martin, H.; and Michalik, M., 1977, Psychiat., Neurol. u. Med. Psychol., v. 29 (2), 87-95
human neurocysticercosis, 3 case reports with autopsy findings of severe meningitis and hydrocephalus, clinical aspects, recommendations for use of complement fixation for reliable diagnosis

Nervous system, Host
Martin, J. J., 1974, Ann. Soc. Belge Med. Trop., v. 54 (4-5), 305-319
Naegleria fowleri, man, primary amoebic meningo-encephalitis, neuropathology of 3 fatal cases: Antwerp

Nervous system, Host
Meltzer, R. S.; et al., 1979, Am. J. Med. Sc., v. 277 (1), 91-98
Strongyloides stercoralis, woman, development of hyperinfection syndrome while on high-dose corticosteroids and following splenectomy, central nervous system involvement, antemortem diagnosis, thiabendazole, levamisole, and mebendazole therapy: Memorial Sloan-Kettering Cancer Center, New York (had traveled in Italy and Sicily)

Nervous system, Host
Molyneux, M. E.; and Galatius-Jensen, F., 1978, South African Med. J., v. 54 (21), 871-872
schistosomal myelopathy, man, presentation with quadriplegia, large mass demonstrated in spinal cord, total clinical recovery after niridazole: Malawi

Nervous system, Host
Norfray, J. F.; et al., 1978, Surg. Neurol., v. 9 (1), 68-71
schistosomiasis of spinal cord, humans, clinical aspects, radiologic diagnosis, therapy, case report of Schistosoma mansoni infection in 25-year-old male

Nervous system, Host
de Queiroz, A. C., 1974, Rev. Patol. Trop., v. 3 (3), 255-261
S[chistosoma] mansoni, human case reports, parasites in central nervous system discovered at autopsies, few or no neurological symptoms presented by patients prior to deaths: Brazil

Nervous system, Host
Rubiliani, C.; and Payen, G. G., 1979, Gen. and Comp. Endocrinol., v. 38 (2), 215-228
Sacculina carcini-infected Carcinus spp., histology of central nervous system, destruction of neurosecretory areas: Roscoff, Finistere; Sete, Herault

Nervous system, Host
dos Santos, R. R.; de Oliveira, J. C. R.; and Koeberle, F., 1976, Rev. Goiana Med., v. 22 (3-4), 235-243
T[rypanosoma] cruzi, human, immunopathology of nervous system lesions

Nervous system, Parasite
Batson, B. S., 1978, Tissue and Cell, v. 10 (1), 51-61
Gastromermis boophthorae adults, ultrastructure of amphids

Nervous system, Parasite
Bogoiavlenskii, Iu. K.; Ivanova, G. V.; and Spasskii, A. A., 1974, [Nervous system of parasitic nematodes.], 190 pp., illus.
Nematoda, neurosecretion, nervous system, morphology, histochemistry, cytology, review monograph

Nervous system, Parasite
Ciampor, F.; and Nosek, J., 1978, Ang. Parasitol., v. 19 (3), 154-158
Dermacentor marginatus, nymphs, ultrastructure of integumentary glands and mechanoreceptory setae

Nervous system, Parasite
Commonwealth Institute of Helminthology, [1980 ?], Annot. Bibliogr. (H53), 12 pp.
helminth neurology

Nervous system, Parasite
Davydov, O. N., 1971, Parazitologiia, Leningrad, v. 5 (3), 237-240
Ascaris suum, changes in motor activity in relation to temperature, effect primarily on musculature and secondarily on nervous system

Nervous system, Parasite
Dei-Cas, E.; et al., 1979, Biol. Cell., v. 35 (3), 321-324
Schistosoma mansoni, ultrastructural localization of tritiated 5-hydroxytryptamine incorporated by adult worms in vitro

Nervous system, Parasite
Dev, B.; and Mishra, G. C., 1977, Ztschr. Parasitenk., v. 52 (1), 97-101
Poecilobdella granulosa, decerebration leads to activation of gastric phosphatases and inhibition of intestinal phosphatases; correlation with metabolic metameric control

Nervous system, Parasite
Dunagan, T. T.; and Miller, D. M., 1978, J. Parasitol., v. 64 (3), 431-435
Moniliformis moniliformis, anatomy of genital ganglion of male

Nervous system, Parasite
Finogenova, S. P., 1971, Trudy Gel'mint. Lab., Akad. Nauk SSSR, v. 21, 118-120
Ascaridia galli, histological examination of head end revealed 12 neurosecretory cells, 8 located in lateral and 4 in ventral ganglia and all arranged comparatively symmetrically and longitudinally to body axis

Nervous system, Parasite
Finogenova, S. P., 1975, Parazitologiia, Leningrad, v. 9 (2), 135-138
6 spp. of nematodes, morphology and topography of neurosecretory cells

Nervous system, Parasite
Golubev, A. I.; and Sal'nikov, V. V., 1979, Tsitologiia, v. 21 (9), 1100-1102
Echinorhynchus gadi, specialized junctions between neuron and interstital substance in cerebral ganglion, ultrastructure

Nervous system, Parasite
Golubev, A. M.; and Chernykh, O. O., 1974, Parazitologiia, Leningrad, v. 8 (6), 484-488
Ascaris suum, central nervous system, ultrastructure

Nervous system, Parasite
Greenwood, M. T.; and Holdich, D. M., 1979, J. Zool., London, v. 187 (1), 21-38
Ceratophyllus hirundinus hirundinus, C. styx styx, surface structure and cellular detail of sensilium, light, stereoscan, and transmission electron microscopy, possible modes of functioning

Nervous system, Parasite
Hillman, G. R.; Gibler, A. M.; and Anderson, J. W., 1978, J. Pharmacol. and Exper. Therap., v. 207 (3), 992-997
Schistosoma mansoni, anticholinergic drugs as inhibitors of labeling of parasite by a fluorescent derivative of acetylcholine, scanning microfluorimetric system

Nervous system, Parasite
Hirschmann, W., 1979, Mikrokosmos, v. 68 (6), 176-178
Dermacentor marginatus, Haller's organ, morphology, scanning electron microscopy

Nervous system, Parasite
Hollis, P. D., 1979, Tr. Am. Micr. Soc., v. 98 (1), 114-122
Porocephalus crotali, neuroanatomy compared with closely related species

Nervous system, Parasite
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gastrointestinal nematodes, calves, winter survival of larvae on pasture more important than carrier calves as source of infection; calves surviving clinical disease are resistant to infection the following year: Maine

Overwintering
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Ostertagia, Trichostrongylus, Haemonchus, Nematodirus, sheep, development and survival of third-stage larvae on paddocks after summer and autumn contamination dependent upon ground temperature; overwintering of all four genera until start of next grazing season

Overwintering
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Dictyocaulus viviparus, calves, winter survival of infective larvae, decreased infectivity

Overwintering
Karpovich, V. N., 1973, Parazitologiia, Leningrad, v. 7 (2), 128-134
Ceratixodes putus, duration of life cycle, experimental studies under conditions of seashore bird colonies 1967-1970: East Murman

Overwintering
Kraneburg, W., 1978, Berl. u. Munchen. Tierarztl. Wchnschr., v. 91 (3), 46-48
Paramphistomum cervi, cattle, incidence in 3 different marshy areas in North Germany, presence of mature cercariae in Planorbis planorbis and Anisus vortex in spring suggests that parasite overwinters in the snails

Overwintering
Oakley, G. A., 1979, Vet. Rec., v. 104 (20), 460
Dictyocaulus viviparus, calves, delayed development of infection, case history, larvae may not only survive winter conditions, but persist in sufficient numbers to cause disease

Overwintering
Oakley, G. A., 1979, Vet. Rec., v. 104 (23), 530-531
Dictyocaulus viviparus, overwintering of larvae on pasture and survival until midsummer without passage through grazing cattle, experimental trials

Overwintering
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Ornithonyssus bursa on Sturnus vulgaris (folds of skin, base of bill below eyes, under chin near mandible), small overwintering population forms nucleus for rapid buildup in nest boxes during host breeding season: Aokautere and near Masterton

Overwintering
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Anaplasma marginale, inability to survive natural winter conditions on Dermacentor andersoni-infested pastures in absence of infected cattle, results suggest that anaplasmosis can be eliminated in selected herds: Oregon

Overwintering
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Sawyer, T. K.; Newman, M. W.; and Otto, S. V., 1975, Proc. National Shellfish Ass., v. 65, 1974, 15-19
gregarines, possibly Nematopsis-Porospora group in Crassostrea virginica, seasonal pathology suggests that parasites overwinter in hibernating oysters, undergo vegetative growth in the spring, and then perish or undergo further development in an unknown host

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Amblyomma americanum adults, molting time, overwintering survival, and longevity in selected woodlots: Cherokee Co., Oklahoma

Overwintering
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fascioliasis, sheep, epidemiology: seasonal availability of metacercariae, parasite stages overwintering on pasture: Denmark

Overwintering
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gastrointestinal helminths, resumption of development of inhibited larvae in calves stabled overwinter

Overwintering
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Oesophagostomum quadrispinulatum, O. dentatum, failure to demonstrate overwinter survival on pastures, contamination of pastures by carrier pigs with subsequent transmission to susceptible pigs

Overwintering
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Amidostomum anseris, development and viability of eggs and larvae during winter and early spring under field conditions: central Poland

Overwintering
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Wohlfahrtia magnifica, pupal diapause, autumn temperatures and photoperiod as factors, practical importance of stronger autumn control measures to prevent population buildup

Overwintering
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abomasal nematodes, lambs, epidemiology during winter and spring: infective pasture larval availability, parasite population changes and inhibition patterns: Northumberland

Overwintering
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Xenopsylla, numbers of generations in northern desert subzone, overlapping of generations, overwintering: Bakanassk GMS

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Ovum. See Eggs; Gametes.

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Romanomermis culicivorax, effect of various dissolved oxygen concentrations at various temperatures on infectivity for Culex pipiens

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Trypanosoma cruzi bloodstream forms, increase in respiration in presence of acetate, acetate oxidation took place via tricarboxylic acid cycle and involved antimycin A-sensitive respiratory pathway, immune sera had no effect on oxygen uptake

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Papua New Guinea
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(Ascaris lumbricoides; Trichuris trichiura; Enterobius vermicularis; Strongyloides stercoralis; Himenolepis nana; Tenia sp.; Entamoeba coli; Giardia lamblia; Endolimax nana; Yodamoeba butschlii; Ancylostomatidae)

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Parasite surfaces. [See also Cuticle; Integument; Membranes; Tegument]

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Trypanosoma cruzi, Peruvian and Colombian strains, failure to demonstrate presence of host antigens on surface of trypomastigote forms from guinea pig blood using immunofluorescence

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Strongyloides planiceps, parasitic and free-living stages, surface structures, scanning electron microscopy

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Entamoeba histolytica, distribution and redistribution of antigen determinants and Con A receptors on surface, reappearance of antigen, effect of metabolic inhibitors and pH on ligand induced redistribution, capping and endocytosis in phagocytizing amoebae and influence of inhibitory compounds, variation of expression of surface antigens

Parasite surfaces
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Parasite surfaces
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Trypanosoma brucei, loss of variable antigens during transformation from bloodstream to procyclic forms in vitro

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Parasite surfaces
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Parasite surfaces
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Parasite surfaces
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Parasite surfaces
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Schistosoma, 3 human spp., eggs, scanning electron microscopy

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Parasite surfaces
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Echinorhynchus gadi, Acanthocephalus lucii, Polymorphus minutus, Macracanthorhynchus hirudinaceus, integument, stereoscan and transmission electron microscopy; invaginations of outer plasma membrane increase absorptive surface, morphometric analysis, comparisons with other parasitic helminths and with rotifers

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Parasite surfaces
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Encephalitozoon cuniculi, wall structure of sporonts grown in human fibroblasts

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Parasite surfaces
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Schistosoma mansoni, evaluation of techniques for radioisotope labeling of surface proteins from adult worms, partial characterization of surface antigens

Parasite surfaces
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Parasite surfaces
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Mesocestoides corti tetrathyridium, microtriches and sensory processes on surface, transmission and scanning electron microscopy, microtriches may have roles in tissue penetration and food uptake

Parasite surfaces
Irwin, S. W. B.; Threadgold, L. T.; and Howard, N. M., 1978, Parasitology, v. 76 (2), 193-199
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Parasite surfaces
Jackson, P. R.; Honigberg, B. M.; and Holt, S. C., 1978, J. Protozool., v. 25 (4), 471-481
Trypanosoma congolense, bloodstream trypomastigotes and culture procyclics, lectin analysis of surface saccharides by agglutination and electron microscopic techniques

Parasite surfaces
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Pastures
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Pastures
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Pathogenesis. See Pathology.

Pathogenicity. [See also Infectivity]

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Entamoeba histolytica strains from patients and from carriers, increase in infection rate and extent of pathological changes in irradiated vs. nonirradiated rats

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Pathogenicity
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Pathogenicity
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Pathogenicity
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Pathogenicity

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Pathogenicity

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Pathogenicity

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Pathogenicity

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Pathogenicity

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Pathogenicity

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Pathogenicity

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Pathogenicity

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Pathogenicity

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Pathogenicity

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Entamoeba histolytica races, virulence, invasiveness, review

Pathogenicity

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Pathogenicity

Brown, T., 1979, J. Med. Microbiol., v. 12 (3), 355-362

Naegleria fowleri, cytopathogenicity in mouse embryo-cell cultures, inhibition by amoeba-specific antiserum and by cytochalasin B, concluded that cytopathogenicity was due to physical rather than biochemical or cytotoxic mechanisms and was associated with phagocytic activity of trophozoites

Pathogenicity

Brown, T., 1979, J. Med. Microbiol., v. 12 (3), 363-371

Naegleria fowleri, cytopathogenicity in mouse embryo-cell cultures, observations by immunofluorescence microscopy and electron microscopy, concluded that trophozoites destroy cultured cells by phagocytosis-like mechanism without aid of amoeba-associated cytotoxic or cytolytic agents

Pathogenicity

Burden, D. J.; Anger, H. S.; and Hammet, N. C., 1979, Vet. Microbiol., v. 3 (3), 227-234

Blastocystis sp., pigs (feces), pathogenicity discussed: Berkshire and East Anglia, England

Pathogenicity

Callow, L. L.; Mellors, L. T.; and McGregor, W., 1979, Internat., J. Parasitol., v. 9 (4), 333-338

Babesia bovis, reduction in virulence due to rapid passage in splenectomized cattle, change reversed by passaging in intact hosts

Pathogenicity

Cerva, L., 1971, Folia Parasitol., v. 18 (2), 171-176

Naegleria gruberi, Vitek strain, white mice, albino guinea pigs, 7 day-old chick embryos (exper. in all), pathogenicity studies

Pathogenicity

Chaia, G.; et al., 1977, Rev. Inst. Med. Trop. S. Paulo, v. 19 (3), 195-201

Entamoeba histolytica, strain Eh 1 isolated from woman with acute infection, virulence in laboratory animals and utilization in drug screening in hamsters

Pathogenicity

Chhabra, M. B.; and Mahajan, R. C., 1979, Indian J. Med. Research, v. 69, 752-755

Toxoplasma gondii, isolates from human patients and a pig, virulence, comparison with RH strain: India

Pathogenicity

Chiari, E.; et al., 1973, Rev. Inst. Med. Trop. S. Paulo, v. 15 (5), 255-260

Trypanosoma cruzi, behavior of 3 culture forms (PF, PF^{II}, and MR_{44}) tested in mice and triatomids, pathologic changes observed with all 3 forms, living vaccines or 'attenuated' culture forms not recommended for control programs

Pathogenicity
Chowaniec, W.; and Markiewicz, K., 1970, Acta Parasitol. Polon., v. 18 (1-12), 25-32
Fasciola hepatica, course of experimental infections in rabbits in relation to age of metacercariae and temperature at which snail intermediate hosts have been maintained, latter considered to be a factor in virulence of metacercariae but not former

Pathogenicity
Clark, I. A., 1978, Lancet, London (8080), v. 2, 75-77
acute malaria and babesiosis, hypothesis that endotoxin (lipopolysaccharide) causes both the disease and the parasite death, experiments in mice

Pathogenicity
Clayton, C. E., 1978, Exper. Parasitol., v. 44 (2), 202-208
Trypanosoma brucei brucei, mice, influence of host strain and parasite antigenic type on course of infections

Pathogenicity
Coudert, P.; Licois, D.; and Streun, A., 1979, Ztschr. Parasitenk., v. 59 (3), 227-234
Eimeria perforans, isolation of pure strain using specific-pathogen free rabbits, measurements, sporulation time, pathogenicity

Pathogenicity
Cursons, R. T. M.; Brown, T. J.; and Keys, E. A., 1978, J. Parasitol., v. 64 (4), 744-745
Naegleria, Acanthamoeba, pathogenic vs. nonpathogenic strains, differences in level of production of phospholipase A may explain differences in invasiveness and virulence, likely that secretion of enzyme constitutes initial steps whereby host tissue is prepared for endocytosis by these amebae

Pathogenicity
Das, S. R., 1974, Ann. Soc. Belge Med. Trop., v. 54 (4-5), 327-332
Naegleria aerobia flagellate stage, pathogenicity, bearing on epidemiology of exogenous amoebiasis

Pathogenicity
Das, S. R.; Das, P.; and Rai, G. P., 1979, Austral. J. Exper. Biol. and Med. Sc., v. 57 (3), 241-244
Entamoeba histolytica, axenically grown parasites, revival of pathogenicity for the rat, prolonged amoeba-bacteria association is required, simple addition of fresh bacteria to amoeba inoculum is not enough

Pathogenicity
Davronov, O., 1973, Parazitologiia, Leningrad, v. 7 (2), 190-191
Eimeria sp., virulence for Mus musculus, possible use in biological control of house mice

Pathogenicity
De Jonckheere, J., 1979, Path. Biol., v. 27 (8), 453-458
Naegleria fowleri, virulence for mice of isolates from environment, effect of axenic cultivation, brain passage, and passages in Vero cell cultures, mouse strain and age differences

Pathogenicity
Delgado, M. A.; and Santos-Buch, C. A., 1978, Am. J. Trop. Med. and Hyg., v. 27 (6), 1108-1115
Trypanosoma cruzi, mice, transplacental transmission is dependent upon pathogenicity of parasite strain and phagocytic activity of placenta

Pathogenicity
Dikovskaia, V. E., 1974, Parazitologiia, Leningrad, v. 8 (6), 548-552
Eimeria tenella, 13 strains, intraspecific variability with respect to virulence, reproductive capability, and immunogenic properties: USSR

Pathogenicity
Dubey, J. P., 1978, J. Am. Vet. Med. Ass., v. 173 (2), 192-197
Isospora ohioensis, dogs (epithelium of small intestine, cecum, and colon) (exper.), pathology in young pups, pathogenicity was greatest in newborn and suckling pups whereas older pups (40-384 days at first inoculation) acquired immunity within 1 week

Pathogenicity
Dubey, J. P., 1979, J. Protozool., v. 26 (3), 433-443
Isospora rivolta, life cycle in cats and mice, pathogenicity for newborn but not for weaned cats

Pathogenicity
Ebert, F.; Buse, E.; and Muehlpfordt, H., 1979, Ztschr. Parasitenk., v. 59 (1), 31-41
Leishmania donovani, virulent vs. avirulent promastigotes in hamster peritoneal macrophages in vitro, attachment, process of engulfment, amastigote multiplication, localization, light and electron microscopy

Pathogenicity
Funayama, G. K.; and Prado, J. C., jr., 1974, Rev. Soc. Brasil. Med. Trop., v. 8 (2), 75-81
Trypanosoma cruzi, strain isolated from Triatoma infestans captured in Vitichi, Bolivia, severe pathogenicity for mice, mice recovered from infection have high resistance against reinfection by the Y strain, Bolivia strain easily cultured and regularly infective for several triatomines

Pathogenicity
Gaugler, R.; and Boush, G. M., 1978, J. Invert. Path., v. 32 (3), 291-296
Neoaplectana carpocapsae infective-stage juveniles, ultraviolet radiation and sunlight as factors limiting effectiveness as biological control agent, reduced pathogenicity and inhibition of nematode reproduction and development in Galleria mellonella larvae (exper.)

Pathogenicity
Ghadirian, E.; and Meerovitch, E., 1978, Am. J. Trop. Med. and Hyg., v. 27 (2, pt. 1), 241-247
Entamoeba histolytica, IP-106 strain did not lose virulence after 11 years of axenic cultivation, pathogenic potential demonstrated in golden hamsters

Pathogenicity
Ghadirian, E.; and Meerovitch, E., 1979, J. Parasitol., v. 65 (5), 768-771
Entamoeba histolytica, axenically-cultivated strain 200:NIH, pathogenicity in the hamster

Pathogenicity
Han, T. W., 1978, Research Rep., Office Rural Develop., Min. Agric. and Fish., Korea, v. 20, 53-88
theileriosis, cattle, historical review, seasonal and host age incidence, duration of parasitaemia, relapse time; transmission of Theileria sp. to cattle using Boophilus microplus and Haemaphysalis longicornis; pathogenicity and immunogenicity of Korean and Japanese strains of T. sergenti compared: Korea

Pathogenicity
Hasegawa, H.; et al., 1976, Kiseichugaku Zasshi (Japan. J. Parasitol.), v. 25 (4), 254-261
spirurid larvae, identification and examination of pathogenicity for humans

Pathogenicity
Hashemi-Fesharki, R., 1978, Arch. Inst. Razi (30), 91-99
Theileria annulata, 3 strains of varying virulence, calves (exper.), primary infections with different doses, parasitological findings, host temperature, resistance to challenge with homologous and heterologous strains

Pathogenicity
Hilton, R. J.; Barker, I. K.; and Rickard, M. D., 1978, Vet. Parasitol., v. 4 (3), 231-242
Camelostrongylus mentulatus, distribution in abomasum and pathogenicity during development in sheep (exper.)

Pathogenicity
Ito, Y.; et al., 1976, Kiseichugaku Zasshi (Japan. J. Parasitol.), v. 25 (3), 133-140
Toxoplasma gondii, Beverley strain, mice, pathogenicity of tachyzoites, cysts and oocysts

Pathogenicity
Jadin, J.; Timperman, G.; and De Ruysser, F., 1975, Ann. Soc. Belge Med. Trop., v. 55 (6), 603-608
Plasmodium b. berghei, pyrimethamine-resistant strain preserved at very low temperature for 11 years, maintained virulence but lost drug resistance, gametocytogenesis increased, cyclical transmission was successful, parasites crossed blood-brain barrier indicating this strain could serve as laboratory model for P. falciparum cerebral malaria

Pathogenicity
Kageruka, P.; and Mortelmans, J., 1971, Ann. Soc. Belges Med. Trop. Parasitol., v. 51 (6), 709-715
Trypanosoma evansi infection in imported capybara, study of virulence in laboratory animals

Pathogenicity
Kaliakin, V. N.; and Slepchenko, A. R., 1971, Parazitologiia, Leningrad, v. 5 (6), 559-562
Encephalitozoon cuniculi, mice of several strains and substrains, no natural infections found, susceptibility to experimental infection, parasite virulence increases with mouse passage

Pathogenicity
Kanbara, H., 1975, Kiseichugaku Zasshi (Japan. J. Parasitol.), v. 24 (5), 265-269
Trypanosoma cruzi, amastigote and trypomastigote forms, surface antigen, relationship to virulence

Pathogenicity
Kasprzak, W.; Mazur, T.; and Rucka, A., 1974, Ann. Soc. Belge Med. Trop., v. 54 (4-5), 351-357
4 strains of free-living amoebae isolated from lakes in Poland, pathogenicity for mice, response to several drugs, identified as Acanthamoeba spp. on basis of morphology and protein disc electrophoretic patterns

Pathogenicity
Khavkin, Th. N.; and Freidlin, I. S., 1977, Ztschr. Parasitenk., v. 52 (1), 19-21
Toxoplasma gondii in parasitophorous vacuoles of mouse peritoneal macrophages, lysosomes in macrophages stained with quinacrine, fluorescence microscopy shows that lysosomes do not fuse with vacuoles containing viable parasites, may be factor in pathogenicity

Pathogenicity
Kim, J. C. S.; Abee, C. R.; and Wolf, R. H., 1978, Lab. Animals, v. 12 (4), 231-233
balantidiosis, colony-born splenectomized Pan troglodytes (mucosal and submucosal layers of colon and caecum; faeces) concomitantly infected with Strongyloides stercoralis and Shigella flexneri, fatal infection, case report

Pathogenicity
Kloetzel, K.; et al., 1977, Trop. and Geogr. Med., v. 29 (4), 407-410
Schistosoma mansoni-Toxoplasma gondii concomitant infections, mice, Schistosoma-Toxoplasma order of infection caused massive mortality, great weight loss and striking splenomegaly, Toxoplasma-Schistosoma order caused few notable effects

Pathogenicity
Knight, R. A., 1978, J. Parasitol., v. 64 (4), 601-605
Fasciola hepatica of ovine and bovine origin, effects of experimental infection in homologous and heterologous hosts, "Since there appear to be no strain differences in infectivity and pathogenicity of flukes from sheep and cattle, sheep and cattle isolates would more correctly describe flukes cultured from one or the other host."

Pathogenicity
Levchenko, N. G.; Tokarev, G. G.; and Grinin, V. S., 1974, Parazitologiia, Leningrad, v. 8 (6), 543-547
Plistophora tabani sp. n., pathogenicity

Pathogenicity
Long, P. L.; and Millard, B. J., 1978, Parasitology, v. 76 (1), 1-9
Eimeria grenieri in Numida meleagris (intestine, caeca) (nat. and exper.), life cycle, reproduction rate, pathogenicity (severe depression of body weight gain), immunity to reinfection, treatment with sulphaquinoxaline in drinking water and robenidine in food: Britain

Pathogenicity
Long, P. L.; and Millard, B. J., 1979, Parasitology, v. 78 (1), 41-51
Eimeria dispersa, isolation from turkeys in Britain, life cycle and reproduction, cross-protection against American strain, electrophoretic analysis of enzymes, host specificity studies, in vitro growth studies, gross pathology, pathogenicity, immunogenicity

Pathogenicity
Lushbaugh, W. B.; et al., 1978, Am. J. Trop. Med. and Hyg., v. 27 (2, pt. 1), 248-254
Entamoeba histolytica, periodic hamster liver passage enhances virulence of axenically cultured trophozoites, statistical analysis

Pathogenicity
McKee, A. E.; Watson, L. P.; and Austin, F. G., 1978, Scan. Electron Micr., v. 2, 321-326
Giardia muris, laboratory mice, pathogenicity, morphological findings, transmission electron, scanning electron and light microscopy

Pathogenicity
Mandal, A. K., 1978, Indian J. Animal Health, v. 17 (1), 97-98
Trypanosoma enhydris, virulence in Natrix stolata (exper.) and in Enhydris enhydris (nat. and exper.) after passage in Natrix stolata: Chakdah, Nadia Dist., West Bengal (India)

Pathogenicity
Markowitz, S. M.; et al., 1978, Am. J. Path. (436), v. 92 (3), 733-743
Acanthamoeba castellanii, mice (exper.), pretreated with methylprednisolone or tetracycline, increased host mortality due to depressed host immunity; potentially pathogenic role for naturally occurring Acanthamoeba sp. in immunosuppressed humans

Pathogenicity
Markus, M. B., 1978, Advances Vet. Sc. and Comp. Med., v. 22, 159-193
Sarcocystis and sarcocystosis in domestic animals and man, extensive review (life cycle; host specificity; pathogenicity and pathology; immunology and serology)

Pathogenicity
Mathur, S. B.; Srivastava, R. P.; and Srivastava, K. L., 1971, Proc. National Acad. Sc., India, sec. B., v. 41 (4), 325-327
Neoaplectana sp. (DD-136), pathogenicity to insect crop pests, potential as biological control agent

Pathogenicity
Mattern, C. F. T.; Keister, D. B.; and Caspar, P. A., 1978, Am. J. Trop. Med. and Hyg., v. 27 (5), 882-887
Entamoeba histolytica, rapid in vitro assay for cytopathogenicity of axenically cultivated strains, results compared with in vivo virulence assays

Pathogenicity
Mattern, C. F. T.; Keister, D. B.; and Diamond, L. S., 1979, Am. J. Trop. Med. and Hyg., v. 28 (4), 653-657
Entamoeba histolytica, viral conversion of virulence, data indicate that amebae surviving virus infection may be increased, decreased, or unaltered in virulence unrelated to virulence of amebal strain serving as viral donor

Pathogenicity
Meerovitch, E.; and Ghadirian, E., 1978, Canad. J. Microbiol., v. 24 (1), 63-65
Entamoeba histolytica, restoration of virulence of two axenic strains by means of incorporation of cholesterol into culture medium

Pathogenicity
Menezes, H., 1970, Rev. Inst. Med. Trop. S. Paulo, v. 12 (1), 64-68
Trypanosoma cruzi, avirulence of cultivated Y strain, dogs and mice

Pathogenicity
Menezes, H., 1970, Rev. Inst. Med. Trop. S. Paulo, v. 12 (2), 129-135
Trypanosoma cruzi, cultivated Y strain, avirulence demonstrated by failure to infect immunosuppressed mice

Pathogenicity
Menezes, H., 1971, Rev. Soc. Brasil. Med. Trop., v. 5 (4), 212-233
Trypanosoma cruzi, demonstration of avirulence of PF strain in mice vaccinated and treated with immunosuppressive drugs

Pathogenicity
Menezes, H., 1971, Rev. Inst. Med. Trop. S. Paulo, v. 13 (1), 14-17
Trypanosoma cruzi, cultivated Y strain (now PF strain), avirulence unaffected by successive inoculations into mice or by high doses of prednisolone used simultaneously

Pathogenicity
Menezes, H., 1974, Rev. Soc. Brasil. Med. Trop., v. 8 (5), 253-265
Trypanosoma cruzi, antilymphocytic serum enhanced infection in dogs infected with virulent strain of parasite but could not promote evident infection and disease in dogs injected with live avirulent T. cruzi PF strain

Pathogenicity
Menezes, H., 1976, AMB, Rev. Ass. Med. Brasil., v. 22 (4), 111-114
Trypanosoma cruzi, PF strain, avirulence in mice, protective effect against subsequent challenge with virulent strain

Pathogenicity
Miln, A. J., 1978, N. Zealand Entom., v. 6 (4), 392-399
Mattesia sp. and Nosema takapauensis in Costelytra zealandica, incidence among larvae, seasonal distribution, growth and development of diseased larvae, mortality, transmission by soil: New Zealand

Pathogenicity
Nasyrov, F. Sh.; and Iusypov, K. A., 1974, Parazitologiia, Leningrad, v. 8 (1), 77-81
Leishmania tropica major, 13 strains isolated from humans, virulence for white mice, pathogenicity factors (hyaluronidase, fibrinolysin, plasmocoagulase, Duran-Reynals factor, dermonecrotoxic properties): Termez

Pathogenicity
Nerad, T. A.; and Daggett, P. M., 1979, J. Protozool., v. 26 (4), 613-615
Naegleria fowleri, N. gruberi, isoenzyme electrophoresis as effective method for separation of pathogenic and nonpathogenic Naegleria strains

Pathogenicity
Neva, F. A.; Wyler, D.; and Nash, T., 1979, Am. J. Trop. Med. and Hyg., v. 28 (3), 467-471
cutaneous leishmaniasis resembling 'moist' form caused by Leishmania tropica major, 24-year-old male Peace Corps volunteer in Senegal, case report, persistent organisms in healing lesions after multiple courses of treatment and in presence of normal humoral and cell-mediated immune response

Pathogenicity
Ni, G. V., 1973, Parazitologiia, Leningrad, v. 7 (1), 75-78
leptomonads, differentiation of pathogenic (Leishmania tropica major) from non-pathogenic strains by their reaction to increased incubation temperatures in vitro

Pathogenicity
Payares, G.; and Ercoli, N., 1978, Exper. Parasitol., v. 45 (1), 1-7
Schistosoma mansoni, drug-immobilized cercariae have reduced virulence but are not dead, cercariae become avirulent only when flame cell is affected, no protection against reinfection in mice injected with immobilized cercariae of reduced virulence

Pathogenicity
Pilley, B. M., 1976, J. Invert. Path., v. 28 (2), 177-183
Vairimorpha necatrix [n. comb.] in Spodoptera exempta, pathogenicity (occurrence of bacteriosis and cytoplasmic polyhedrosis virus), life cycle (disporoblastic life cycle at 25°C and both disporoblastic and octosporoblastic life cycle at 20°C), implications of polymorphism in relation to classification of Microsporida

Pathogenicity
Poluboiarova, G. V.; and Iaps, V. V., 1978, Vestnik Sel'skokhoz. Nauki Kazakhstana (10), 89-91
Besnoitia besnoiti, maintained in tissue culture vs. fresh from cutaneous cysts, equally virulent for susliks, similar pathological changes

Pathogenicity
Przyjałkowski, Z.; Cabaj, W.; and Kontny, E., 1979, Bull. Acad. Polon. Sc., Cl. II, s. Sc. Biol., v. 27 (1), 61-68
Trichinella spiralis, larvae decontaminated with antibiotics and normal larvae, determination of lethal dose for conventional and germfree mice

Pathogenicity
Purnell, R. E.; et al., 1978, J. Comp. Path., v. 88 (3), 419-423
Babesia divergens, reactions of splenectomized calves to inoculation of infected blood taken from a calf during its reaction and carrier phases, parasite virulence, possible role in immunization

Pathogenicity
Purrini, K.; and Ormieres, R., 1979, Zool. Anz., Jena, v. 202 (5-6), 437-443
Farinocystis tenebrioides n. sp., life cycle, pathogenicity

Pathogenicity
Pye, A. E.; and Burman, M., 1977, Suomen Hyonteistieteellinen Aikakauskirja (Ann. Entom. Fennici), v. 43 (4), 115-119
Neoaplectana carpocapsae in Hylobius abietis (exper.) (haemocoele), pathogenicity, possible use in biological control

Pathogenicity
Remfry, J., 1978, Lab. Animals, v. 12 (4), 213-218
helminth infections in imported Macaca mulatta, incidence, pathogenicity, and treatment: imported from northern India to Primate Quarantine Unit, Oxford University

Pathogenicity
Rondanelli, E. G.; et al., 1976, Recenti Prog. Med., v. 61 (2), 137-162
Leishmania donovani and L. tropica promastigote forms in vitro, basis for qualifying characters of ultrastructural organization of genus Leishmania and aspects of its reproduction and pathogenicity; promastigote and endomastigote phases discussed

Pathogenicity
Rydlo, M., 1977, Wien. Tierarztl. Monatschr., v. 64 (2), 58-60
Glossatella piscicola, possible pathogenicity in rainbow trout

Pathogenicity
Saf'ianova, V. M.; Aliev, E. I.; and Koshelev, B. A., 1972, Parazitologiia, Leningrad, v. 6 (3), 206-215
Leishmania adleri, virulence for Cricetus auratus increases with successive passage, ultrastructure of leptomonad stage and characteristics of localization of specific antigens, antigenic comparison with Leishmania of mammals and leptomonads of reptiles

Pathogenicity
Santos, J. C. M., 1971, Rev. Inst. Med. Trop. S. Paulo, v. 13 (4), 279-284
Trypanosoma cruzi in Rhodnius prolixus, infectivity of avirulent PF strain compared with virulent Y strain

Pathogenicity
Sargeaunt, P. G.; Williams, J. E.; and Grene, J. D., 1978, Tr. Roy. Soc. Trop. Med. and Hyg., v. 72 (5), 519-521
Entamoeba histolytica, differentiation of invasive and non-invasive forms by isoenzyme electrophoresis

Pathogenicity
Savina, M. A., 1976, Med. Parazitol. i Parazitar. Bolezni, v. 45 (1), 69-74
Toxoplasma, low-virulence strains, frequent serial passage in mice increased virulence

Pathogenicity
Scholten, T., 1979, Canad. Med. Ass. J., v. 120 (3), 264, 267-268 [Letter]
soil amoebae potentially pathogenic to man, existence in Canada, results of survey from various areas of Ontario, experimental infections in mice

Pathogenicity
Schuster, F. L.; and Dunnebacke, T. H., 1974, Ann. Soc. Belge Med. Trop., v. 54 (4-5), 359-370
Naegleria amoebae contain virus-like particles and an unassociated infectious agent, possible relationship to pathogenicity, review

Pathogenicity
Serebriakov, V. A.; et al., 1973, Parazitologiia, Leningrad, v. 7 (5), 385-388
Leishmania tropica major, evaluation of criteria for determining strain virulence in vitro, ability to form fibrinolysin is only reliable indicator

Pathogenicity
Shcheulov, A. P., 1974, Parazitologiia, Leningrad, v. 8 (6), 553-562
Toxoplasma gondii, rabbits immunized with high vs. low virulence strain, immunodiffusion and complement fixation tests, serum protein fractions

Pathogenicity
Shirkina, N. I., 1975, Inform. Biul. Inst. Biol. Vnutren. Vod, Akad. Nauk SSSR (27), 15-17
Hartmanella, amebas of Limax group, strains N and A-1, morphology, pathogenicity to mice

Pathogenicity
Shirley, M. W., 1979, Avian Path., v. 8 (4), 469-475
Eimeria mivati, chickens (exper.), 3 strains (2 chicken-maintained, 1 embryo-adapted), pathogenicity compared with E. acervulina, cross-protection between virulent and attenuated strains

Pathogenicity
Silard, R.; et al., 1977, Arch. Roumaines Path. Exper. et Microbiol., v. 36 (1), 55-60
E[ntamoeba] histolytica, intrahepatic inoculation in Cricetus auratus of human strain associated with Blastocystis hominis, liver abscess, diagnosis, results demonstrate the tissue adaptability of B. hominis and its potential as a conditioned pathogen

Pathogenicity
Singh, B. N.; and Hanumaiah, V., 1977, Protozoology, v. 3, 183-191
Tetramastigamoeba hoarei n. g., n. sp., mice (exper.), mildly pathogenic

Pathogenicity
Smith, R. D.; et al., 1978, Research Vet. Sc., v. 24 (3), 287-292
Babesia bovis, calves, exposed by injection of infected blood or application of infected Boophilus microplus larvae, laboratory conditions, greater severity in tick-induced infections, severe reactions and high mortality occurring among older animals; tick transmission under laboratory conditions as useful research tool

Pathogenicity
Southgate, V. R.; and Knowles, R. J., 1977, Ztschr. Parasitenk., v. 54 (3), 233-250
Schistosoma margrebowiei, morphology of egg, miracidium, and cercaria, compatibility with Bulinus spp., development in Mesocricetus auratus, pathogenicity

Pathogenicity
Spencer, M. J.; Garcia, L. S.; and Chapin, M. R., 1979, Am. J. Dis. Child., v. 133 (4), 390-393
Dientamoeba fragilis, children with acute and chronic gastrointestinal symptoms, clinical findings, symptomatic recovery after treatment with diiodohydroxyquin or metronidazole indicates pathogenic role

Pathogenicity
Stabler, R. M.; and Braun, C. E., 1979, Calif. Fish and Game, v. 65 (1), 56-58
Trichomonas gallinae, Colorado race of band-tailed pigeon highly susceptible to virulent California-derived parasite strain

Pathogenicity
Trissl, D.; et al., 1978, J. Exper. Med., v. 148 (5), 1137-1145
Entamoeba, several species and strains, comparison of in vitro ingestion of human erythrocytes (HRBC), E. histolytica isolated from cases of human dysentery show significantly higher phagocytic rate of HRBC ingestion than nonpathogenic strains and than other Entamoeba not pathogenic for mammals, however all Entamoeba tested are able to ingest HRBC

Pathogenicity
Upadhyay, A. N.; and Ahluwalia, S. S., 1978, Indian Vet. J., v. 55 (10), 829-830
4 spp. of coccidia, pigs (exper.), only slightly pathogenic, no gross observable lesions

Pathogenicity
Wellde, B. T.; and Diggs, C. L., 1978, Exper. Parasitol., v. 44 (2), 197-201
Plasmodium berghei, mice, antiserum treatment of infections resulted in population of parasites with altered antiserum susceptibility and virulence

Pathogenicity
Young, A. S.; et al., 1978, Parasitology, v. 76 (1), 99-115
Theileria mutans isolated from cattle exposed in Narok District of Kenya, transstadially transmissible by Amblyomma variegatum but not by Rhipicephalus appendiculatus, mechanically transmissible by blood containing piroplasms or lymphoid cells infected with schizonts, course of infection, pathogenicity, and morphology in cattle (exper.)

Pathogenicity
Yvore, P.; et al., 1978, Ann. Recherches Vet., v. 9 (3), 531-539
Eimeria adenoeides, turkeys (exper.), single and multiple infections, pathology, suggested role of bacteria in pathogenic potential

Pathology. [See also Immunopathology; Names of specific organs and organ systems]

Pathology
Arme, C.; and Walkey, M., 1970, Symposia Brit. Soc. Parasitol., v. 8, 79-101
physiology of fish parasites, review: chemical composition; physical environmental parameters (salinity, temperature, oxygen tension); nutrition (role of gut, role of tegument); metabolism (carbohydrates, nitrogenous compounds, lipids); growth physiology; host-parasite relations (pathology, host specificity and immunity)

Pathology
Awadalla, M. A.; Hussein, L. A.; and Salem, M., 1979, Nutrition Rep. Internat., v. 19 (5), 627-633
parasitic infestations in children, effect on intestinal absorption as determined by assay of fasting serum carotene and vitamin A levels and by vitamin A tolerance tests: Orphanage Institute of Giza and El-Zeitoun, Egypt

Pathology
Buck, A. A., 1978, Southeast Asian J. Trop. Med. and Pub. Health, v. 9 (2), 153-160
role of epidemiology in studies on pathogenesis of tropical diseases, review

Pathology
Buck, A. A.; Anderson, R. I.; and MacRae, A. A., 1978, Tropenmed. u. Parasitol., v. 29 (3), 253-268
polyparasitism, humans, epidemiology, assessment of combined effects of multiple infections on an individual's state of health, comparative analysis of field data obtained from several tropical villages

Pathology
Dailey, M. D.; and Walker, W. A., 1978, J. Parasitol., v. 64 (4), 593-596
60 stranded and 31 control cetaceans, parasites recovered, associated pathology, role of parasites as possible contributing factor in stranding behavior: southern California

Pathology
Hofmann, W.; and Amrousi, S. E., 1975, Vet. Med. J., Giza, v. 22 (22), 175-183
diseases of cattle, horses, and dogs, estimation of enzymes GOT and GPT to evaluate degree of hepatic involvement

Pathology
Hottendorf, G. H.; and Hirth, R. S., 1974, Vet. Path., v. 11 (3), 240-258
parasites in survey and classification of subclinical diseases of 1000 laboratory dogs

Pathology
Koerting, W., 1977, Fisch u. Umwelt (4), 37-48
fish parasites, histopathological changes

Pathology
Lumsden, R. D., 1979, Host-Parasite Interfaces, 49-70
helminth parasitism, mammalian inflammatory response, review of morphological aspects of host-parasite interaction

Pathology
Oomen, J. M. V.; Meuwissen, J. H. E. T.; and Gemert, W., 1979, Trop. and Geogr. Med., v. 31 (4), 587-606
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Cyamus scammoni, life cycle on gray whale, study of parasite reproduction during host migration periods, damage to host cutaneous tissue, ability to survive out of water for several days, comparisons with C. ceti and C. kessleri life cycles: off central California coast; shore station at Pt. San Pablo, California; Pt. Barrow, Alaska

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[Melophagus], sheep, blood changes (anemia, neutrophilia, lymphocytopenia)

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Pathology, Cestoda
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Hymenolepis diminuta in Tenebrio molitor, histopathologic changes in host intestine caused by penetrating oncospheres suggest that secretion of penetration glands possesses enzymatic properties

Pathology, Cestoda
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Hymenolepis microstoma-infected mice, biochemical alterations in liver, spleen, small intestine, and bile ducts, data indicate that all organs undergo significant hyperplasia and that deposition of collagen does not make significant contribution to process of organ growth

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Pathology, Cestoda
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Pathology, Cestoda
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Taenia hydatigena in Vombatus ursinus (exper.), liver lesions associated with migrating larvae, similarity to lesions in free-ranging wombats, probably an aberrant host: Victoria, Australia

Pathology, Cestoda
Sadana, J. R.; and Kalra, D. S., 1978, Indian J. Animal Sc., v. 44 (12), 1974, 994-997
hydatid cysts, pigs (lungs), prevalence, pathology: northern India

Pathology, Cestoda
Thelen, M.; et al., 1976, ROEFO, v. 124 (2), 110-119
human pulmonary echinococcosis, radiologic differentiation of lung changes associated with progressive pulmonary insufficiency

Pathology, Cestoda
Todd, K. S., jr.; Simon, J.; and Dipietro, J. A., 1978, Lab. Animals, v. 12 (2), 51-53
Mesocestoides corti, tetrathyridia, mice, sequential pathologic changes

Pathology, Cestoda
Urquia, M.; et al., 1975, Rev. Clin. Espan., v. 138 (6), 521-527
human echinococcosis involving interventricular septum of heart and concomitant pulmonary cysts, differential diagnosis, surgical treatment, clinical case reports: Pamplona, Spain

Pathology, Cestoda
Vestfrid, M. A.; et al., 1977, Rev. Clin. Espan., v. 145 (2), 149-151
human echinococcosis, report of 2 cases involving female mammary glands, recommendations for differential diagnosis: Argentina

Pathology, Cestoda
Vogel, H., 1977, Tropenmed. u. Parasitol., v. 28 (4), 409-427
Echinococcus multilocularis, Central European strain, morphology and development of larval stages in Microtus arvalis (exper.), hepatic pathology

Pathology, Cestoda
Yacoubian, H. D., 1976, Surgery, St. Louis, v. 79 (5), 544-548
hydatid cysts involving dome of liver, humans, thoracic complications, surgical management, case reports: Lebanon

Pathology, Miscellaneous phyla
Fustish, C. A.; and Millemann, R. E., 1978, J. Parasitol., v. 64 (1), 155-157
Margaritifera margaritifera glochidia, host response to exper. infection, well developed hyperplasia in Oncorhynchus kisutch compared with slight response in O. tshawytscha, may be important in greater resistance of former host to infection

Pathology, Miscellaneous phyla
Karna, D. W.; and Millemann, R. E., 1978, J. Parasitol., v. 64 (3), 528-537
Margaritifera margaritifera, comparative susceptibility of 4 species of salmonid fish determined by examination of caged and uncaged (native) fish, parasite development and associated histopathology, glochidia development in mussels in relation to temperature: Siletz River, western Oregon

Pathology, Nematoda
Ader, P., 1979, Calif. Vet., v. 33 (11), 23-25, 32
Dirofilaria immitis, cat (brain), clinical signs, histopathology

Pathology, Nematoda
Agrawal, M. C.; Vegad, J. L.; and Dutt, S. C., 1978, Indian J. Animal Sc., v. 48 (4), 261-265
Stephanofilaria zaheeri, buffaloes, gross pathology and histopathology; inflammation suggested to be of allergic type

Pathology, Nematoda
Ajao, O. G.; and Ajao, A. O., 1979, Trop. Doctor, v. 9 (1), 33-36
Ascaris lumbricoides, humans, intestinal obstruction and surgical complications of intestinal ascariasis

Pathology, Nematoda
Altaif, K. I.; and Dargie, J. D., 1978, Parasitology, v. 77 (2), 161-175
Haemonchus contortus, influence of breed and haemoglobin type on clinical and pathophysiological response of sheep to moderate primary infection, concluded that genetic resistance operated primarily against worm establishment and was probably controlled by the immune response elicited, in heavy infections there was no correlation between worm establishment and haemoglobin type

Pathology, Nematoda
Altaif, K. I.; and Dargie, J. D., 1978, Parasitology, v. 77 (2), 177-187
Haemonchus contortus, influence of breed and haemoglobin type on clinical and pathophysiological response of sheep to re-infection (either after primary infection was terminated with anthelmintic or challenge superimposed on existing adult infection), patterns of worm establishment and disease indicated that genetic factors operated in determining resistance, breed but not haemoglobin type appeared to be of some significance in 'self-cure'

Pathology, Nematoda
Ansari, M. Z.; Singh. K. S.; and Iyer, P. K. R., 1979, Indian J. Animal Sc., v. 49 (6), 491-494
Gaigeria pachyscelis, lambs, guinea-pigs, and mice (all exper.), mode of penetration through skin and lungs, histopathology

Pathology, Nematoda
Ashizawa, H.; et al., 1978, Bull. Fac. Agric. Univ. Miyazaki, v. 25 (2), 287-295
Parafilaroides decorus in Zalophus californianus (lungs), pathology: two aquariums in Japan

Pathology, Nematoda
Ashizawa, H.; et al., 1978, Bull. Fac. Agric. Univ. Miyazaki, v. 25 (2), 297-306
Gnathostoma nipponicum in Mustela sibirica itatsi and M. sibirica coreana, esophageal tumor, pathology

Pathology, Nematoda
Ashton, N.; and Cook, C., 1979, Ophthalmology, v. 86 (1), 8-42
allergic granulomatous nodules of the eyelid and conjunctiva, humans, several cases caused by unidentified nematodes, clinical, histological and pathological features

Pathology, Nematoda
Batoni, F. L.; et al., 1976, Rev. Inst. Med. Trop. S. Paulo, v. 18 (4), 283-291
Strongyloides stercoralis, disseminated infection in renal transplant patients on immunosuppressive drugs, acute respiratory failure

Pathology, Nematoda
Belfort, R., jr.; and Moraes, M. A. P., 1979, AMB, Rev. Ass. Med. Brasil., v. 25 (4), 123-127
Onchocerca volvulus, survey of residents and visitors in 2 Indian villages, high incidence of ocular abnormalities, mainly corneal: Territory of Roraima, Brazil

Pathology, Nematoda
Beveridge, I., 1979, J. Helminth., v. 53 (3), 229-244
Hypodontus macropi, synonymy, redescription, host and geographic distribution, distribution within host, method of attachment, gross and histopathological changes, description of free-living larval stages

Pathology, Nematoda
Beveridge, I.; and Presidente, P. J. A., 1978, Internat. J. Parasitol., v. 8 (5), 379-387
Rugopharynx rosemariae new species, life cycle stages and associated pathology

Pathology, Nematoda
Bezubik, B., 1970, Acta Parasitol. Polon., v. 18 (13-26), 291-297
Strongyloides papillosus, sheep, severity of infection in relation to dose of larvae and physical condition of host, animals challenged (6 months after initial infection) with lethal dose showed some degree of protection

Pathology, Nematoda
Bezubik, B.; Sinski, E.; and Wedrychowicz, H., 1975, Acta Parasitol. Polon., v. 23 (1-11), 183-194
Ostertagia circumcincta, lambs, single infection of 50,000 or 400,000 larvae, clinical and haematological changes

Pathology, Nematoda
Bezubik, B.; Wedrychowicz, H.; and Sinski, E., 1977, Acta Parasitol. Polon., v. 25 (1-10), 79-90
Ostertagia circumcincta, sheep infected with larvae stored at low temperature, pathophysiological changes (body weight, blood picture, serum proteins), effectiveness of infection and percent of larvae inhibited in development

Pathology, Nematoda
Bhatnagar, P. K.; Malik, P. D.; and Paul Gupta, R. K., 1978, Haryana Agric. Univ. J. Research, v. 8 (4), 296-300
Oesophagostomum columbianum in lambs (exper.), nodules in small and large intestines, mesenteric lymph nodes, liver, kidneys, pancreas, and uterus, histopathology

Pathology, Nematoda
Bloch, K. J.; et al., 1979, Gastroenterology, v. 77 (5), 1039-1044
Nippostrongylus brasiliensis-infected rats, normal rats, or rats subjected to mild systemic anaphylaxis, intestinal uptake of protein antigen (bovine serum albumin)

Pathology, Nematoda
Bose, K. C.; and Sinha, A. K., 1979, Current Sc., Bangalore, v. 48 (6), 275-276 [Letter]
Procamallanus devendri in Heteropneustes fossilis (stomach wall), histopathology

Pathology, Nematoda
Braca, G.; Arispici, M.; and Marconcini, A., 1978, Ann. Fac. Med. Vet., Pisa, v. 30, 1977, 211-225
microfilariasis, dogs, histopathology

Pathology, Nematoda
Bratanov, V.; and Enchev, St., 1977, Vet. Med. Nauki, v. 14 (9), 86-94
Trichocephalus ovis, T. skrjabini, sheep, pathomorphological changes

Pathology, Nematoda
Brglez, J.; and Tiselj, M., 1977, Zborn. Bioteh. Fak. Univ. Ljubljani, Vet., v. 14 (1), 55-60
Gnathostoma hispidum, pig (gastric mucosa), histopathology

Pathology, Nematoda
Brockelman, C. R., 1978, Ztschr. Parasitenk., v. 57 (2), 137-144
Angiostrongylus cantonensis-infected Achatina fulica, effects of parasitism and stress on hemolymph protein

Pathology, Nematoda
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Parascaris equorum, pony foals (exper.), macroscopic and microscopic lesions associated with parasite migration through the liver

Pathology, Nematoda
Browne, S. G., 1976, South African Med. J., v. 50 (9), 301-304
onchocerciasis, humans with low intensity of infections, skin pathology including depigmentation: Belgian Congo

Pathology, Nematoda
Bueno, L.; Ruckebusch, Y.; and Dorchies, Ph., 1979, Vet. Parasitol., v. 5 (2-3), 253-260
strongyle-infected ponies (nat. and exper.), disturbances of digestive motility, effect of mebendazole treatment

Pathology, Nematoda
Burchard, G. D.; Albiez, E. J.; and Bierther, M., 1979, Tropenmed. u. Parasitol., v. 30 (1), 97-102
onchocerciasis, humans, electron microscopic studies of skin and of microfilariae after treatment with metrifonate: Liberia

Pathology, Nematoda
Burchard, G. D.; and Bierther, M., 1978, Tropenmed. u. Parasitol., v. 29 (4), 451-461
Onchocerca volvulus, patients, dermatitis, mesenchyme reaction of skin; ultrastructure of microfilariae: Liberia

Pathology, Nematoda
Buzmakova, R. A.; and Kuchin, A. S., 1975, Vet. Nauka--Proizvod., Trudy, Minsk, v. 13, 105-109
strongyloidiasis, calves, pathological processes in small intestine in initial stages of experimental infection

Pathology, Nematoda
Cardenas Santiuste, C.; Rizo, F.; and Brooks, R. W., 1972, Rev. Cubana Cirug., v. 11 (1), 19-24
Ascaris lumbricoides, infection in child resulting in intestinal occlusion and perforation of Meckel's diverticulum, post-surgical therapy with piperazine unsuccessful as Ascaris continued to appear in feces up to one year later: Cuba

Pathology, Nematoda
Castro, G. A.; et al., 1979, Am. J. Trop. Med. and Hyg., v. 28 (3), 500-507
Trichinella spiralis-infected rats, inadequate oral food intake rather than changes in basal meatbolism or intestinal pathophysiology accounts for weight loss during intestinal phase of infection

Pathology, Nematoda
Cawthorn, R. J.; and Anderson, R. C., 1977, Canad. J. Zool., v. 55 (2), 368-375
Physaloptera maxillaris in Acheta pennsylvanicus and Blatella germanica, site of development, survival of larvae, and host cellular reactions

Pathology, Nematoda
Cheema, A. H.; and Ivoghli, B., 1978, Vet. Path., v. 15 (4), 495-505
Onchocerca armillata, O. gutturosa, cattle, prevalence, pathology and pathogenesis: Shiraz abattoir, from Fars Province, southern Iran

Pathology, Nematoda
Christie, M. G.; et al., 1978, J. Comp. Path., v. 88 (2), 157-165
Haemonchus contortus, fistulated or nonfistulated sheep, acquired resistance to repeated daily doses of 10,000 infective larvae, no association of resistant state with raised abomasal pH, histology of mucosa after prolonged exposure

Pathology, Nematoda
Clark, R. G.; Mason, P. C.; and Fennessy, P. F., 1978, N. Zealand Vet. J., v. 26 (1-2), 33 [Letter]
Chabertia ovina, Trichuris ovis, Oesophagostomum venulosum, lambs, nodular lesions in mucosa and submucosa of caecum and colon in absence of O. columbianum; O. venulosum as likely cause: New Zealand

Pathology, Nematoda
Clark, W. C.; Black, H.; and Rutherford, D. M., 1979, N. Zealand J. Zool., v. 6 (1), 1-5
Microtetrameres nestoris n. sp., pathology

Pathology, Nematoda
Clayton, H. M.; and Duncan, J. L., 1978, Vet. Parasitol., v. 4 (1), 69-78
Parascaris equorum, clinical signs associated with single infections in worm-free pony foals and yearlings

Pathology, Nematoda
Colon, A. R.; and Sandberg, D. H., 1973, South. Med. J., v. 66 (6), 641-644
protein-losing enteropathy in children including parasitosis (hookworm, ameba, schistosome, filariasis, ascaris, trichuriasis), case reports involving Trichuris trichiura and Ascaris: Miami, Florida

Pathology, Nematoda
Coop, R. L.; Angus, K. W.; and Sykes, A. R., 1979, Research Vet. Sc., v. 26 (3), 363-371
Trichostrongylus vitrinus, sheep (exper.), chronic infection, pathological changes in small intestine

Pathology, Nematoda
Coop, R. L.; Sykes, A. R.; and Angus, K. W., 1979, Vet. Parasitol., v. 5 (2-3), 261-269
Cooperia oncophora, calves given daily doses of larvae, faecal egg count, worm burden, liveweight gain and food intake, serum constituents, bone chemical analyses, intestinal pathology

Pathology, Nematoda
da Costa Sobrinho, V. M.; Ferreira, D.; and Faria, M., 1972, Rev. Goiana Med., v. 18 (3-4), 215-226
Ascaris lumbricoides, young child, extensive hepatic and intestinal ascariasis with migration of adult worm to right ventricle of heart, clinical and autopsy report: Planaltina (DF), Brasil

Pathology, Nematoda
Cotofan, O.; Minascurta, C.; and Tepordei, V., 1977, Lucrar. Stiint. Inst. Agron. I. Ionescu Brad Iasi, s. Zooteh.-Med. Vet., 93-94
strongyloid dermatitis, sheep, histopathology

Pathology, Nematoda
Craig, T. M.; et al., 1978, J. Am. Vet. Med. Ass., v. 172 (9), 1096-1098
Filaroides hirthi, dog (lungs), severe granulomatous pneumonia, clinical signs, pathology: Seagoville, Texas

Pathology, Nematoda
Crichton, V. F. J.; and Beverley-Burton, M., 1977, J. Wildlife Dis., v. 13 (3), 273-280
Dracunculus insignis in Procyon lotor (legs), pathology, seasonal prevalence, experimental transmission to copepods and possible paratenic hosts: southern Ontario

Pathology, Nematoda
Crompton, D. W. T.; et al., 1978, Tr. Roy. Soc. Trop. Med. and Hyg., v. 72 (2), 195-197
Nippostrongylus brasiliensis infections in protein-deficient rats have important effects on pathophysiological changes usually ascribed to nature of diet, significant hematologic differences and changes in protein distribution as compared to uninfected rats fed ad lib or pair-fed on same protein-deficient diet

Pathology, Nematoda
Crowell, W. A.; and Votava, C. L., 1975, Vet. Path., v. 12 (3), 178-185
Dipetalonema viteae-infected Mesocricetus auratus, amyloidosis, microfilariae probably served as antigenic stimulus in pathogenesis

Pathology, Nematoda
Curca, D.; Purcherea, A.; and Caprarin, A., 1977, Lucrar. Stiint. Inst. Agron. N. Balcescu, s. C, Med. Vet., v. 17, 1974, 34-38
Ascaridia galli, 100 day old roosters, spontaneous dehelminthization after 13 days indicates augmented resistance; ascorbic acid diminished in adrenal gland on thirteenth day but normal in liver and blood serum; older chickens have lesser blood changes

Pathology, Nematoda
Date, A.; Shastry, J. C. M.; and Johny, K. V., 1979, J. Trop. Med. and Hyg., v. 82 (7), 150-154
filarial chyluria, patients, possible pathogenetic mechanisms associated with various glomerular lesions

Pathology, Nematoda
Davies, N. J.; and Goldsmid, J. M., 1978, Tr. Roy. Soc. Trop. Med. and Hyg., v. 72 (1), 107 [Letter]
Ascaris suum causing intestinal obstruction in 9-year-old girl, clinical case report: Salisbury, Rhodesia

Pathology, Nematoda
Dembinski, A. B.; Johnson, L. R.; and Castro, G. A., 1979, Am. J. Trop. Med. and Hyg., v. 28 (5), 854-859
Trichinella spiralis-infected dogs, inhibitory action of secretin on gastrin-stimulated gastric acid and pepsin secretion is compromised

Pathology, Nematoda
DePaoli, A.; and Johnsen, D. O., 1978, Vet. Path., v. 15 (1), 31-39
Strongyloides larvae in Hylobates lar, necropsy study, clinical signs, pathology, thiabendazole, high morbidity and mortality probably resulting from autoinfection and the hyperinfective syndrome

Pathology, Nematoda
Dey-Hazra, A.; et al., 1979, Vet. Parasitol., v. 5 (4), 339-351
Strongyloides ransomi-infected piglets, protein synthesis changes in liver, glutathione status of liver, electrolyte concentrations in plasma, erythrocytes, and in different organs, plasma enzyme activities

Pathology, Nematoda
Dixon, R. J.; and Brownlow, M. A., 1978, Austral. Vet. J., v. 54 (10), 494-495
Strongylus vulgaris, 5-month-old standardbred foal, youngest naturally occurring case of severe gastro-intestinal accident due to parasitic arteritis seen in 700 autopsies

Pathology, Nematoda
Doliopoulos, T.; and Andreou, G., 1974, Rev. Brasil. Cardiovas., v. 10 (2), 101-103
filariasis, with associated coronary insufficiency, case report, young adult male native of Greece who had resided in Congo, Africa

Pathology, Nematoda
Dragomirescu, M.; et al., 1977, Arch. Roumaines Path. Exper. et Microbiol., v. 36 (3-4), 285-291
impaired phosphorylation in various toxi-infectious diseases (including trichinosis), straight correlation between lowest levels of serum organic phosphate and severity of infection, practical and theoretical implications

Pathology, Nematoda
Dubinsky, P.; and Rybos, M., 1977, Vet. Med., Praha, v. 50, v. 22 (7), 433-439
Ascaridia galli, chicks (exper.), negative influence on level of free plasma amino acids, aspartate and alanine aminotransferase activities in host chick serum, single invasion failed to influence serum protein level or weight increase in chicks kept under hygienic conditions

Pathology, Nematoda
Dutta, P. K.; and Hazarika, R. N., 1978, JNKVV Research J., v. 10 (1), 1976, 29-32
Stephanofilaria assamensis, cattle, dermititis, gross and microscopic pathology

Pathology, Nematoda
Dykova, I., 1977, Acta Vet. Brno, v. 46 (1-2), 159-165
Stephanurus dentatus, pigs, pathological changes: Cuba

Pathology, Nematoda
Edel'shtein, I. A.; Falkina, F. B.; and Arestov, I. G., 1971, Vestsi Akad. Navuk BSSR, s. Biial. Navuk (1), 117-120
ascariasis, cats, rabbits, pathogenesis, sulfhydryl group in toxic substances from parasites apparently causes blocking of host enzyme system and other protein complexes

Pathology, Nematoda
El-Moukdad, A. R.; Supperer, R.; and Kutzer, E., 1978, Tieraerztl. Prax., v. 6 (1), 41-49
lung worms, sheep, incidence, pathology, clinical review

Pathology, Nematoda
Enigk, K.; and Dey-Hazra, A., 1978, Zentralbl. Vet.-Med., Reihe B, v. 25 (8), 613-622
roundworms, pigs (exper.), dissacharidase activity of gut mucosa, electrolyte content of plasma and various organs

Pathology, Nematoda
Erturk, E.; Kalemli, M.; and Milli, U., 1978, Vet. Fak. Dergisi, Ankara Univ., v. 25 (3), 458-465
Trichosomoides crassicauda, rats, causing hyperplasia and papillomatous proliferation of urinary bladder transitional epithelium, possible source of confusion in carcinogenesis experiments

Pathology, Nematoda
Fraga Filho, C.; Sobral, D. T.; and Arantes, M. R., 1974, Rev. Soc. Brasil. Med. Trop., v. 8 (4), 209-216
Strongyloides stercoralis, humans, investigation of intestinal malabsorption associated with parasitism; correlation between higher levels of fecal fat content in persons with morphologic changes in small bowel thus indicating that fecal fat content is reliable index of malabsorption

Pathology, Nematoda
Gaaboub, I. A., 1976, J. Invert. Path., v. 28 (2), 203-207
Brugia pahangi, significant correlation between density of microfilariae on which Aedes aegypti feed, mean number of infective larvae produced per mosquito, and mean number of basal follicles developed per female

Pathology, Nematoda
Gabryel, P.; and Gustowska, L., 1970, Acta Parasitol. Polon., v. 18 (1-12), 1-6
Trichinella spiralis-infected rats and humans, basophilia of muscle fibers considered to favor growth and survival of the parasite larvae

Pathology, Nematoda
Gay, C. C.; and Speirs, V. C., 1978, Austral. Vet. J., v. 54 (12), 600-601 [Letter]
parasitic arteritis, horses, age prevalence of related enteric disorders: Victoria

Pathology, Nematoda
Gear, J. H. S.; and Measroch, V., 1971, Recent Advances Stud. Cardiac Struct. and Metab., v. 2, 141-163
human filariasis, malaria and trypanosomiasis, etiology in endomyocardial fibrosis and other infective forms of myocarditis, review

Pathology, Nematoda
Geisel, O., 1979, Kleintier-Praxis, v. 24 (4), 181-184
lungworms, dogs, histopathology, case reports

Pathology, Nematoda
Gentilini, M.; et al., 1978, Tr. Roy. Soc. Trop. Med. and Hyg., v. 72 (5), 540-541
Dracunculus medinensis, human, localization of larvae in pleura, development of eosinophilic pleurisy, case report: Mauritanian native living in France

Pathology, Nematoda
Geraci, J. R.; Dailey, M. D.; and St. Aubin, D. J., 1978, J. Fish. Research Bd. Canada, v. 35 (10), 1350-1355
Crassicauda grampicola in Lagenorhynchus acutus (mammary glands), probable life cycle, high incidence and severity of lesions have possible influence on reproductive success of the herd: stranded at Lingley Cove, Edmunds, Maine

Pathology, Nematoda
Gibson, D. W.; and Connor, D. H., 1978, Tr. Roy. Soc. Trop. Med. and Hyg., v. 72 (2), 137-154
Onchocerca volvulus, clinicopathologic study of 34 patients with lymphadenitis, possible role of immune complexes: Africa; Yemen

Pathology, Nematoda
Gordon, R.; et al., 1978, Parasitology, v. 77 (3), 367-374
Neomesomermis flumenalis in Prosimulium mixtum/fuscum and Simulium venustum, effects of parasitism on hemolymph composition (protein, amino acid, carbohydrate), relation to nematode's nutritional requirements

Pathology, Nematoda
Grabiec, S.; and Zwolinskiene, W., 1976, Bull. Acad. Polon. Sc., Cl. II, s. Sc. Biol., v. 25 (5), 279-282
D[ictyocaulus] filaria-infected sheep, Trichinella spiralis-infected rabbit, decreased oxidative-reductive activity in blood serum, comparison with healthy animals, chemiluminescence method

Pathology, Nematoda
Grove, D. I.; Valeza, F. S.; and Cabrera, B. D., 1978, Bull. World Health Organ., v. 56 (6), 975-984
Wuchereria bancrofti, dynamics of filariasis in village inhabitants, clinical, parasitological, immunological, and social aspects: village of Paraiso, Province of Catanduanes, Philippines

Pathology, Nematoda
Gutierrez Manay, J.; Garcia Calderon, J.; and Hidalgo Pallete, A., 1973, Rev. Med. Caja Nac. Seguro Soc., Lima, v. 22 (3), 402-404
Enterobius vermicularis, Balantidium coli, human, cause of appendicitis, search of surgical case records: Peru

Pathology, Nematoda
Hale, O. M.; and Stewart, T. B., 1979, J. Animal Sc., v. 49 (4), 1000-1005
Trichuris suis, pigs (exper.), effects of infection on weight gains, digestion and absorption of nutrients, and nitrogen balance

Pathology, Nematoda
Hart, J. C. D.; and Raistrick, E. R., 1977, Tr. Ophth. Soc. United Kingdom, v. 97 (1), 164-167
Toxocara species, humans in 20- to 50-year age group, uniocular retinal lesions, pathology, epidemiology

Pathology, Nematoda
Hauck, A. K.; and May, E. B., 1977, J. Wildlife Dis., v. 13 (3), 290-293
Anisakis sp. larvae in Clupea harengus pallasi, histopathology: Oregon waters

Pathology, Nematoda
van den Heever, L. W.; Nevill, E.; and Horton, B. G. W., 1973, J. South African Vet. Ass., v. 44 (3), 333-334
Parafilaria bovicola, frequency and distribution of cutaneous lesions on cattle at slaughter, economic losses, importance of differentiating between parafilariasis and bruising

Pathology, Nematoda
Helmboldt, C. F.; et al., 1971, J. Wildlife Dis., v. 7 (3), 157-161
Capillaria contorta in Cyanocitta cristata (trachea, esophagus, mouth), gross and microscopic pathology, lesions of tongue and esophagus, formation of diphtheritic membrane: Connecticut

Pathology, Nematoda
Herrero, C.; Arroyo, M.; and Vasallo, F., 1976, Rev. San. e Hig. Pub., v. 50 (7-8), 713-727
Trichinella spiralis, biochemical alterations in parasitized rats, findings of decrease in albumin, increase in alpha and beta globulins and in serum potassium

Pathology, Nematoda
Hilton, R. J.; Barker, I. K.; and Rickard, M. D., 1978, Vet. Parasitol., v. 4 (3), 231-242
Camelostrongylus mentulatus, distribution in abomasum and pathogenicity during development in sheep (exper.)

Pathology, Nematoda
Holt, P. E.; Brown, A.; and Brown, B., 1978, Vet. Rec., v. 102 (18), 404-405
Strongyloides [sp.] in Lampropeltis getulus holbrooki, clinical symptoms, unsuccessful treatment with thiabendazole, mixed infection with flagellates and Ochetosomatidae sp., case report

Pathology, Nematoda
Holt, P. E.; Cooper, J. E.; and Needham, J. R., 1979, Vet. Rec., v. 104 (10), 213-214
Strongyloides larvae, snakes, pathology, treatment with thiabendazole, 3 case reports

Pathology, Nematoda
Honaga, S.; et al., 1978, Japan. J. Vet. Sc., v. 40 (5), 603-614
Dirofilaria immitis, dogs (exper.), clinical and pathological observations in prepatent period

Pathology, Nematoda
Huizinga, H. W., 1971, J. Wildlife Dis., v. 7 (3), 198-204
Contracaecum spp. in pelicaniform birds, gross and microscopic lesions, possible beneficial role in host digestive physiology

Pathology, Nematoda
Huizinga, H. W.; Cosgrove, G. E.; and Koch, C. F., 1971, J. Wildlife Dis., v. 7 (3), 205-212
Splendidofilaria passerina in Passer domesticus domesticus (blood, walls of pulmonary arteries, lung, heart), seasonal incidence, intensity of infection, lesions in walls of pulmonary arteries: Illinois

Pathology, Nematoda
Ishihara, K.; et al., 1978, Japan. J. Vet. Sc., v. 40 (2), 171-183
dirofilariasis, dogs with varying degrees of clinical severity, serum free cholesterol concentration, serum lecithin cholesterol acyltransferase activity, relationship to hepatic injury

Pathology, Nematoda
Ishihara, K.; et al., 1978, Japan. J. Vet. Sc., v. 40 (5), 525-537
dirofilarial hemoglobinuria, dogs, clinicopathological studies

Pathology, Nematoda
Ivoghli, B., 1978, Vet. Med. and Small Animal Clin., v. 73 (1), 47-49
Spirocerca lupi, dogs, esophageal sarcomas, histopathology: Shiraz, Iran

Pathology, Nematoda
Jablonowska, C., 1971, Acta Parasitol. Polon., v. 19 (9-18), 195-204
Ascaris suum, changes in level of acid-soluable phosphate compounds and their metabolism in blood and liver of guinea pigs (exper.)

Pathology, Nematoda
Jablonowska, C.; and Jablonowski, Z., 1974, Acta Parasitol. Polon., v. 22 (12-21), 249-259
Ascaris suum and vitamin C deficiency, effect on levels of glucose and acid-soluble phosphate compounds in blood of guinea pigs

Pathology, Nematoda
Jablonowski, Z., 1976, Acta Parasitol. Polon., v. 24 (11-19), 165-183
Ascaris suum-infected guinea pigs, levels of vitamins B_2 and C in some tissues and organs, organ weights

Pathology, Nematoda
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Ascaris suum-infected guinea pigs fed diets varying in vitamin C content, levels of vitamins C and B_2 in some organs, organ weights

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Pathology, Nematoda
Jancic-Zguricas, M.; Isvaneski, M.; and Perunovic, P., 1976, Srpski Arkhiv Tselok. Lekar., v. 104 (10), 751-760
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Pathology, Nematoda
Jones, W. O.; and Symons, L. E. A., 1978, Exper. Parasitol., v. 44 (1), 92-99
Trichostrongylus colubriformis, guinea pigs, primary and secondary infections, skeletal muscle protein catabolism, comparison with uninfected animals fed quantitatively reduced rations, catabolism which was depressed in all 3 groups was directly related to fall in food consumption

Pathology, Nematoda
Kameswari, M.; Ramulu, G. R.; and Rao, L. N., 1979, Indian J. Exper. Biol., v. 17 (9), 976-979
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Pathology, Nematoda
Kasprzak, K.; et al., 1971, Acta Parasitol. Polon., v. 19 (1-8), 1-7
Trichinella spiralis-infected rat muscles, distinct aberration in incorporation of glycine-1-^{14}C and 1-lysine-^{14}C

Pathology, Nematoda
Kayes, S. G.; and Oaks, J. A., 1978, Am. J. Path. (438), v. 93 (2), 277-294
Toxocara canis, mice, evolution of muscle-associated granuloma, histopathology, light and electron microscopy

Pathology, Nematoda
Ko, R. C.; Morton, B.; and Wong, P. S., 1975, Canad. J. Zool., v. 53 (5), 550-559
Echinocephalus sinensis, prevalence and location in natural hosts, histopathology

Pathology, Nematoda
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Stephanofilaria stilesi-infected cattle, pathomorphological changes in skin of the concha auriculae

Pathology, Nematoda
Krivutenko, A. I.; and Taranenko, I. L., 1977, Veterinariia, Moskva (8), 74-76
Heterakis gallinarum-infected turkeys, electrolyte and mineral metabolism

Pathology, Nematoda
Kuchin, A. S.; and Buzmakova, R. A., 1974, Vet. Nauka--Proizvod., Trudy, Minsk, v. 12, 127-130
strongyloidiasis, lambs (exper.), clinical pathomorphological characteristics of pneumonia

Pathology, Nematoda
Ladds, P. W.; Nitisuwirjo, S.; and Goddard, M. E., 1979, Austral. Vet. J., v. 55 (10), 455-462
Onchocerca gibsoni, slaughtered cattle, infection rate and nodule characteristics in relation to geographic region, season, breed, sex, and age of host: Australia

Pathology, Nematoda
Laudanna, A. A.; et al., 1973, Rev. Inst. Med. Trop. S. Paulo, v. 15 (4), 222-226
Strongyloides stercoralis, man, massive infection with resulting intestinal loss of protein and malnutrition, recovery after treatment of parasitosis, nutritional importance of parasite in endemic areas discussed

Pathology, Nematoda
de Leao, R. N. Q.; et al., 1978, Rev. Inst. Med. Trop. S. Paulo, v. 20 (5), 300-306
Lagochilascaris minor, 14-year-old boy, clinical aspects, pathology, successful therapy with diethylcarbamazine

Pathology, Nematoda
Lensink, B. M.; Rijpstra, A. C.; and Erken, A. H. M., 1979, Zool. Garten, n. F., v. 49 (2), 121-126
Ollulanus tricuspis in Panthera tigris tigris (vomitus, stomach), clinical symptoms in mother and offspring, treatment with various anthelmintics, complete recovery achieved with levamisole: Artis-Zoo, Amsterdam

Pathology, Nematoda
Leventhal, R.; et al., 1978, Clin. and Exper. Immunol., v. 32 (1), 69-76
Ascaris suum, role of complement in histopathology of primary and challenge infections in guinea pigs, enhanced pulmonary eosinophilic infiltration and eosinophilic granuloma formation in absence of complement (C3 to C9)

Pathology, Nematoda
Lewis, J. W., 1978, J. Zool., London, v. 184 (2), 225-229
Skrjabingylus nasicola in Mustela nivalis (nasal sinuses), correlation of intensity of infestation with severity of skull damage and with host age and sex, host factors influencing worm size and sex ratios, crowding effect in heavy infestations: Berkshire, Northumberland, and Sussex

Pathology, Nematoda
Lieberman, L. L.; Kircher, C. H.; and Lein, D. H., 1979, J. Am. Animal Hosp. Ass., v. 15 (2), 237-239
visceral larval migrans, dog (pituitary stalk), associated with persistent severe polyuria and polydipsia, case report

Pathology, Nematoda
Loria Cortes, R.; and Saborio Ruiz, M., 1974, Rev. Columb. Pediat. y Puericult., v. 28 (6), 409-413
Necator americanus, prenatal infection in 1 month-old infant presenting with intestinal bleeding, successful thiabendazole therapy: Costa Rica

Pathology, Nematoda
McCraw, B. M.; and Slocombe, J. O. D., 1978, Canad. J. Comp. Med., v. 42 (3), 340-356
Strongylus edentatus, ponies (exper.), development, lesions from 10 to 72 weeks postinfection

Pathology, Nematoda
McKenzie, R. A.; Green, P. E.; and Wood, A. D., 1978, Austral. Vet. J., v. 54 (2), 86-88
Angiostrongylus cantonensis in captive Macropus rufogriseus (surface of brain beneath leptomeninges, cerebellar folium, meninges), clinical symptoms, pathology, treatment with trimethoprim-sulphadiazine ineffective, case report: Brisbane

Pathology, Nematoda
Malczewski, A., 1970, Acta Parasitol. Polon., v. 18 (27-41), 399-415
Haemonchus contortus, pathogenesis and pathology in lambs (exper.): clinical observations, parasitological observations, haematological observations, pH level of abomasal fluid, necropsy findings; 'self cure' between days 10 and 14 closely related to heavy infiltration of abomasal mucosa by eosinophils

Pathology, Nematoda
Mallick, K. P.; Mishra, S. S.; and Sahai, B. N., 1978, Indian J. Animal Health, v. 17 (1), 100
Haemonchus spp., goats (exper.), histopathology of abomasum

Pathology, Nematoda
Mapes, C. J.; and Coop, R. L., 1971, J. Comp. Path., v. 81 (4), 479-492
Haemonchus contortus chemically terminated or concurrent with Nematodirus battus in lambs lowered reproductive capacity and inhibited development of N. battus, results consistent with density-dependent physico-pharmacological mechanism of population control involving changes in host alimentary physiology (abomasal pH and Na^+ concentration)

Pathology, Nematoda
Marler, R. J.; et al., 1978, Vet. Med. and Small Animal Clin., v. 73 (2), 145-147
Dirofilaria immitis, dog (lung, liver), extensive pulmonary arterial thrombosis without subsequent infarction, absence of significant pathologic changes, case history

Pathology, Nematoda
Matta, S. C.; and Ahluwalia, S. S., 1979, Indian J. Animal Sc., v. 49 (1), 72-74
Ascaridia numidae in Numida meleagris (small intestine), extensive nodulation of serosal surface: Allahabad

Pathology, Nematoda
Melendez, R. D.; and Lindquist, W. D., 1979, J. Parasitol., v. 65 (1), 85-88
Ascaridia columbae in intravenously infected Columba livia, larvae completed tracheal migration and arrived at small intestine where they established patent infection, histopathological description of lung granulomas

Pathology, Nematoda
Mel'nikova, K. V., 1972, Parazitologiia, Leningrad, v. 6 (6), 549-554
Ascarops strongylina, pigs (exper.), accumulation of acid and neutral mucopolysaccharides in gastric mucosa in relation to duration of invasion, possible protective role and significance in pathogenesis of acute and chronic disease

Pathology, Nematoda
Mikhail, E. G.; and Milad, M., 1977, Egypt. J. Vet. Sc., v. 13 (2), 1976, 99-105
Trichinella spiralis, rats (exper.), pathological changes in blood calcium and parathyroid activity

Pathology, Nematoda
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Strongyloides westeri, ponies (exper.), foals and yearlings, comparisons of prepatent periods, haemoglobin values, and beta-globulin levels

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Pathology, Nematoda
Mossalam, I.; Abdel Rahman, M. S.; and Atallah, O. A., 1975, Vet. Med. J., Giza, v. 22 (22), 1974, 91-102
Parascaris equorum in laboratory animals and chickens, histopathology

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abomasal ulceration in goats, association with presence of nematodes: Shiraz abattoir, Iran

Pathology, Nematoda
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onchocerciasis, humans from 2 endemic areas, survey for skin and ocular lesions and serum vitamin A levels, possible significance of vitamin A deficiency in pathogenesis of ocular complications: Sudan

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Dispharynx nasuta, 3-week-old chickens (exper.), pathomorphological results

Pathology, Nematoda
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Subulura sp., description, histology of encapsulation of third stage larvae, role of host regenerating crypt in capsule formation, defense reaction mechanism of host

Pathology, Nematoda
Nation, P. N.; and Dies, K. H., 1978, Canad. Vet. J., v. 19 (11), 315-316
Capillaria hepatica, horse (liver), gross and microscopic lesions, case report: Fairview area of Alberta

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Nicholls, J. M.; et al., 1978, J. Comp. Path., v. 88 (2), 261-274
Parascaris equorum, pony foals (exper.), pathological study of lungs, changes caused by migrating larvae

Pathology, Nematoda
Nicholls, J. M.; et al., 1979, Vet. Rec., v. 104 (25), 567-570
Dictyocaulus arnfieldi, donkeys (lungs), clinical, parasitological, and pathological findings

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Nicholls, J. M.; Duncan, J. L.; and Greig, W. A., 1978, Vet. Rec., v. 102 (10), 216-217
Dictyocaulus arnfieldi, horse, pathology, lungs

Pathology, Nematoda
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Pathology, Nematoda
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Pathology, Nematoda
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Pathology, Nematoda
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Metastrongylus spp., Choerostrongylus pudendotectus, swine, lung lesions

Pathology, Nematoda
Oduye, O. O., 1971, J. Comp. Path., v. 81 (4), 581-583
Stephanofilaria sp., cattle, dermatitis, gross and histopathology of lesions: Northern States of Nigeria

Pathology, Nematoda
Omar, M. S.; Franz, M.; and Buettner, D. W., 1979, Tropenmed. u. Parasitol., v. 30 (1), 113-119
Onchocerca volvulus, humans, epidemiologic pilot study, scanning electron microscopy and histochemical staining of microfilariae confirmed that the filariae are O. volvulus although local form of the disease is frequently sowda: Yemen Arab Republic

Pathology, Nematoda
Omuse, J. K.; et al., 1978, Bull. Animal Health and Prod. Africa, v. 26 (2), 156-160
Protostrongylus africanus in Damaliscus korrigum (lung), histopathological lesions: Masai-Mara area of Kenya

Pathology, Nematoda
Parichatikanon, P.; et al., 1976, Siriraj Hosp. Gaz., v. 28 (2), 204-214
Ascaris lumbricoides, children, case reports, pathology, fatal infections caused by multiple abscesses in livers, worms in intrahepatic bile ducts, common bile duct, and along gastrointestinal tract

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Pathology, Nematoda
Pence, D. B.; and Stone, J. E., 1978, Vet. Path., v. 15 (3), 322-331
Spirocerca lupi in wild carnivores, pathologic lesions in aorta and esophagus: West Texas

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Dipetalonema dessetae-infected Aedes aegypti before and after blood meal, histology and ultrastructure of adipose tissue

Pathology, Nematoda
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Strongyloides stercoralis, hyperinfections in patients with chronic diseases, case reports, diagnosed at autopsies: South Africa

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Popescu, M. P.; et al., 1977, Rev. Chir. (Oftalmologia), Bucuresti, v. 21 (4), 263-266
Loa loa, Onchocerca volvulus, human filariasis with ocular manifestations, clinical case reports, African students studying in Romania

Pathology, Nematoda
Przyjalkowski, Z.; and Malinowska, A., 1977, Acta Parasitol. Polon., v. 25 (1-10), 69-77
Trichinella spiralis-infected germfree vs. conventional mice, some metabolites and enzymes of carbohydrate metabolism in liver and small intestine

Pathology, Nematoda
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Trichinella spiralis, conventional and gernfree mice, pathology, small intestine epithelium, scanning electron microscopy

Pathology, Nematoda
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Ascaris suum, pigs, blood changes: hyperneutrophilemia, lymphophenia, changes in K, Na and Ca, macrocytic hypoglobulinic anemia; eosinophilia due to enzyme released by moulting between third and tenth day of infection

Pathology, Nematoda
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Strongyloides stercoralis, fatal human infections, pathology of mesenteric lymph nodes

Pathology, Nematoda
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Ascaris suum, pigs (lungs), associated esophagogastric ulcers and other pathologic changes, case history: Indiana farm

Pathology, Nematoda
Rawlings, C. A., 1978, Canad. J. Comp. Med., v. 42 (4), 452-459
Dirofilaria immitis, dogs with early vascular changes but without clinical cardiopulmonary signs and pulmonary hypertension, pulmonary vascular response

Pathology, Nematoda
Reynolds, G. W.; et al., 1979, Ann. Recherches Vet., v. 10 (2-3), 341-343
Ostertagia circumcincta-infected sheep (exper.), assay of tissue and serum gastrin, hypergastrinaemia

Pathology, Nematoda
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Wuchereria bancrofti infection producing subcutaneous nodule on woman's left arm, clinical case report: Costa Rica

Pathology, Nematoda
Rutgeerts, L.; et al., 1975, Tijdschr. Gastroenterol., v. 18 (2), 113-118
Eustoma rotundatum causing eosinophilic enteritis in man, differential diagnosis to be considered in obstructive syndromes occurring in consumers of raw herring

Pathology, Nematoda
Samizadeh-Yazd, A.; and Todd, A. C., 1979, Am. J. Vet. Research, v. 40 (1), 48-51
Nematodirus helvetianus, dairy calves (exper.), pathogenic effects

Pathology, Nematoda
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Pathology, Nematoda
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Ascaris lumbricoides, child, fatal hepatic abscess, clinical case report: Escobar, provincia de Buenos Aires

Pathology, Nematoda
Sass, B.; and Gorgacz, E. J., 1978, J. Am. Vet. Med. Ass., v. 173 (9), 1248-1249
Ascaridicae [sp.] in Alectores graeca chukar (brain), histologic changes, source of infection speculated: suburb of Washington, D.C.

Pathology, Nematoda
Schanbacher, L. M.; et al., 1978, Am. J. Physiol., v. 234 (5), R188-R195
Trichinella spiralis, dogs, changes in intestinal motility are associated temporally with symptoms related to gastrointestinal tract, magnitude of change is inversely related to resistant state of host

Pathology, Nematoda
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nematode larvae resembling Agamofilaria boophaga recovered from eosinophilic cutaneous ulcers of cattle and camels and from Musca spp. (thorax, head), pathology: northern Nigeria

Pathology, Nematoda
Schreiber, H.; Oehlert, W.; and Kugler, K., 1969, Virchows Arch. B, Cell Path., v. 4 (1), 30-44
Trichosomoides crassicauda-infected and uninfected rats, regeneration and proliferation kinetics of normal and x-irradiated transitional epithelium

Pathology, Nematoda
Sharma, B. C.; and Kanwar, D. L., 1975, Rajasthan Med. J., v. 14 (1), 35-37
Ascaris lumbricoides, human infection with approximately 400 worms which caused intestinal obstruction, multiple intestinal perforations and severe peritonitis, clinical case report: India

Pathology, Nematoda
Sharma, B. N.; and Sahai, B. N., 1979, Indian J. Animal Sc., v. 49 (3), 244-245
Setaria digitata, rabbit (exper.), histopathological alterations in host intestine as a result of migration of transplanted worms from cattle or buffalo

Pathology, Nematoda
Sharma, R. L.; and Dhar, D. N., 1979, Indian J. Animal Sc., v. 49 (3), 203-208
Oesophagostomum columbianum, lambs (exper.), impact of varying levels of primary infections on length of pre-patent period, worm establishment, adult length and sex ratio, fecundity, and clinical disease

Pathology, Nematoda
Shayo, M. E.; and Benz, G. W., 1979, Vet. Parasitol., v. 5 (4), 353-364
Trichostrongylus colubriformis-infected calves (exper.), histopathologic and enzyme histochemical changes in small intestine

Pathology, Nematoda
Simpson, C. F.; et al., 1974, Vet. Path., v. 11 (6), 506-514
Dirofilaria immitis, dogs (kidneys) (nat. and exper.), changes in glomerular basement membranes, light, fluorescent, and electron microscopy

Pathology, Nematoda
Singh, S. P.; et al., 1978, Indian J. Animal Research, v. 12 (2), 111-112
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Pathology, Nematoda
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parasitic granuloma and abscess, bovine bladder, cross sections of nematodes and/or ova; Setaria sp. (peritoneal cavity): Municipal Slaughter House, Bareilly

Pathology, Nematoda
Sinski, E., 1975, Acta Parasitol. Polon., v. 23 (26-40), 425-439
Ostertagia circumcincta, sheep, parasitological, clinical, and hematological changes after multiple infections especially in relation to inhibition of larval development

Pathology, Nematoda
Slocombe, J. O. D.; et al., 1978, Proc. 23. Ann. Conv. Am. Ass. Equine Practitioners (Vancouver, British Columbia, Dec. 3-7, 1977), 305-311
Strongylus vulgaris, ponies (exper.), demonstration of early vascular changes by arteriography; attempt to implant a catheter permanently in femoral artery to obviate repetition of surgery in production of a series of radiographs

Pathology, Nematoda
Smith, H. J., 1978, Vet. Parasitol., v. 4 (3), 265-273
Trichonema spp., re-infection of mature (9 and 10 year old) parasite-free sensitized ponies, findings indicate development of strong resistance which may be partly associated with host age and demonstrate the pathogenesis of inhibited larvae which may be retained by resistant ponies for prolonged periods of time

Pathology, Nematoda
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Pathology, Nematoda
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Angiostrongylus cantonensis, human, 4 fatal cases, clinical and pathological findings: Thailand

Pathology, Nematoda
Srihakim, S.; and Swerczek, T. W., 1978, Am. J. Vet. Research, v. 39 (7), 1155-1160
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Pathology, Nematoda
Sriraman, P. K.; et al., 1978, Indian Vet. J., v. 55 (11), 853-856
parasitic enteritis, cirrhosis, larval migrans, ducks, histopathology: Kolleru lake area, Andhra Pradesh

Pathology, Nematoda
Stewart, G. L., 1976, Rice Univ. Studies, v. 62 (4), 211-224
Trichinella spiralis, mice, biochemical pathology: changes in liver and muscle glycogen and some blood chemical parameters

Pathology, Nematoda
Stewart, G. L.; et al., 1978, Exper. Parasitol., v. 45 (2), 287-297
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metastrongyles, mammals, pulmonary pathology, review

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Angiostrongylus malaysiensis in Lymnaea rubiginosa, Physastra sumatrana, and Melanoides tuberculata (all exper.), development, histopathology, encapsulation, comparative host reaction

Pathology, Nematoda
Svarc, R., 1978, Biol. Prace, v. 24 (1), 133 pp.
Cystocaulus ocreatus, sheep (lungs), age of host, morphology, histopathology in intermediate and definitive hosts, development, monograph: Central Slovakia

Pathology, Nematoda
Sykes, A. R.; Coop, R. L.; and Angus, K. W., 1979, Research Vet. Sc., v. 26 (3), 372-377
Trichostrongylus vitrinus, sheep (exper.), chronic infection, food intake and body weight gains, food digestibility, body composition, bone chemistry and histology, serum constituents

Pathology, Nematoda
Symons, L. E. A., 1978, J. Parasitol., v. 64 (5), 958-959
Nippostrongylus brasiliensis-infected rats, epithelial cell mitosis and morphology in worm-free regions of intestines, results show that changes are not due to mechanical action of parasites but to metabolic or other substances passing down intestinal tract and acting upon zones of proliferation, no change in rate of mitosis in esophagus or convoluted kidney tubules

Pathology, Nematoda
Symons, L. E. A.; and Jones, W. O., 1978, Exper. Parasitol., v. 44 (1), 7-13
Trichostrongylus colubriformis, guinea pigs with light to heavy infections, relationships between fall of food consumption and changes of body mass and skeletal muscle and liver protein synthesis

Pathology, Nematoda
Tangredi, B. P., 1978, Vet. Med. and Small Animal Clin., v. 73 (2), 215-216
Capillaria sp., young caller ducks (intestine), case history, pathology, thiabendazole, good results: pond in Centre Island, Long Island, New York

Pathology, Nematoda
Tansuphasiri, P., 1974, Siriraj Hosp. Gaz., v. 26 (11), 2110-2119
Gnathostoma spinigerum, man, parasite removed from perforated corneal ulcer, case report: Thailand

Pathology, Nematoda
Taylor, S. M.; and Pearson, G. R., 1979, J. Comp. Path., v. 89 (3), 397-403
Trichostrongylus vitrinus, lambs (exper.), pathology during parasitic development, small intestine

Pathology, Nematoda
Taylor, S. M.; and Pearson, G. R., 1979, J. Comp. Path., v. 89 (3), 405-412
Trichostrongylus vitrinus, 4- and 8-month-old lambs (exper.), location of worms and pathological changes during clinical infection, small intestine

Pathology, Nematoda
Thrall, D. E.; et al., 1979, Am. J. Vet. Research, v. 40 (10), 1426-1432
Dirofilaria immitis, dogs (exper.), scintigraphic evaluation of pulmonary perfusion

Pathology, Nematoda
Thylefors, B.; Philippon, B.; and Prost, A., 1978, Tropenmed. u. Parasitol., v. 29 (3), 346-354
Onchocerca volvulus, humans from 4 villages in endemic areas, correlations between quantity of transmission and intensity of infection, applications for vector control programs: Sudan-savanna areas in Upper-Volta and Ivory Coast

Pathology, Nematoda
Torres, P.; and Gonzalez, H., 1978, Bol. Chileno Parasitol., v. 33 (3-4), 82-86
Terranova and Anisakis larvae from Genypterus sp., morphometric data, hepatic histopathology: Queule, in the south Pacific, Chile

Pathology, Nematoda
Trojan, H. J., 1977, Rev. Internat. Trachome et Path. Ocul. Trop. et Subtrop., v. 54 (3-4), 111-117
Onchocerca volvulus, human eye, atrophy of disc of optic nerve, discussion of possible etiology, possibly an antigen-antibody reaction

Pathology, Nematoda
Uemura, E.; Houser, W. D.; and Cupp, C. J., 1979, J. Med. Primatol., v. 8 (5), 282-288
Strongyloides stercoralis in infant Pongo pygmaeus (lung, colon, mesenteric lymph nodes), clinical history, pathologic findings: muncipal zoo

Pathology, Nematoda
Uzeta Mejia, S.; Gonzalez Amaya, G. L.; and Ramirez Aguilera, N., 1976, Rev. Gastroenterol. Mexico, v. 41 (1), 31-34
human ascariasis with migration of parasites to biliary tract, resulting cholecystitis and cholelithiasis, differential diagnosis, medical and surgical management, case reports: Mexico

Pathology, Nematoda
Varma, S.; et al., 1978, Arch. Vet., Inst. Cercet. Vet. si Bioprep. Pasteur, v. 13, 41-46
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Pathology, Protozoa
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Pathology, Protozoa
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Pathology, Protozoa
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Pathology, Protozoa
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Pathology, Protozoa
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Pathology, Protozoa
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Pathology, Protozoa
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Trypanosoma brucei, Ndama and Zebu cattle (exper.), blood volumes and erythrokinetics, susceptibility differences between breeds

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Pathology, Protozoa
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Pathology, Protozoa
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Pathology, Protozoa
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Pathology, Protozoa
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Isospora ohioensis, dogs (epithelium of small intestine, cecum, and colon) (exper.), pathology in young pups, pathogenicity was greatest in newborn and suckling pups whereas older pups (40-384 days at first inoculation) acquired immunity within 1 week

Pathology, Protozoa
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Pathology, Protozoa
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Pathology, Protozoa
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Eimeria nieschulzi, rats, intestinal transit time during infection, on basis of findings it is difficult to implicate altered intestinal transit time in symptoms such as diarrhea which attend coccidiosis

Pathology, Protozoa
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Eimeria nieschulzi, structural and functional changes in small intestine of infected rats (increase in intestinal mass; changes in mucosal structure especially increased crypt depth; decrease in peroxidase levels in lamina propria; reduction of brush border disaccharidase activity), intensity of all changes was directly dose-dependent

Pathology, Protozoa
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Pathology, Protozoa
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Trypanosoma danilewskyi and Trypanoplasma borelli in Carassius auratus (exper.), histopathological changes

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Pathology, Protozoa
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Entamoeba gingivalis, incidence in young people with normal gingiva, or with chronic catarrhal or experimental gingivitis, possible significance of parasite enzymes in pathogenicity

Pathology, Protozoa
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Trypanosoma gambiense, humans, meningoencephalitis, clinical signs, pathology, diagnosis, case histories

Pathology, Protozoa
Ehrensperger, F.; and Suter, M., 1977, Kleintier-Praxis, v. 22 (2), 59-62
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Pathology, Protozoa
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Pathology, Protozoa
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Pathology, Protozoa
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Pathology, Protozoa
Endardjo, S.; et al., 1978, J. Trop. Med. and Hyg., v. 81 (2-3), 25-31
Plasmodium berghei berghei, Swiss albino mice infected intraperitoneally, capacity of cyclophosphamide to suppress immune response and increase pathology attributed to suppressive effects of drug upon protein synthesis, cell division and activity of reticuloendothelial cells

Pathology, Protozoa
Erber, M.; and Geisel, O., 1979, Berl. u. Munchen. Tierarztl. Wchnschr., v. 92 (10), 197-202
Sarcocystis suicanis, pigs (exper.), clinical findings, pathology, susceptibility to S. suihominis but not to reinfection with S. suicanis; S. suicanis cysts proved infective to dogs (exper.)

Pathology, Protozoa
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Pathology, Protozoa
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Epistylis-Aeromonas complex, centrarchid fish, incidence, spatial distribution of lesions, host size class (age), body condition, seasonal periodicity, influence of thermal effluent on disease: Par Pond reservoir, Savannah River Plant near Aiken, South Carolina

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Pathology, Protozoa
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Pathology, Protozoa
Fassi-Fehri, N.; et al., 1978, Ann. Recherches Vet., v. 9 (3), 409-417
Sarcocystis spp., cattle, sheep, frequency of infestation, host age and sex, localization in various muscles, pathology: Morocco

Pathology, Protozoa
Fayer, R.; and Lynch, G. P., 1979, Parasitology, v. 79 (3), 325-336
Sarcocystis cruzi-infected calves (exper.), pathophysiological changes in urine and blood, several specific effects beyond those induced by nutritional stress

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Pathology, Protozoa
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Pathology, Protozoa
Fernando, M. A.; and McCraw, B. M., 1977, Ztschr. Parasitenk., v. 52 (3), 213-218
Eimeria acervulina-infected chickens, reduced time of generation cycle of duodenal crypt cells as measured by [^{3}H]thymidine, increased population of dividing cells within each duodenal crypt; changes seem to result from induced changes in functional activity

Pathology, Protozoa
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Pathology, Protozoa
Ferreira, A. L.; and Rossi, M. A., 1971, Rev. Inst. Med. Trop. S. Paulo, v. 13 (6), 391-398
Chagas disease, human, demonstration of degenerative lesions in cardiac autonomic fibers and interstitial cells supports theory that cardiopathy is of neurogenic origin

Pathology, Protozoa
Fink, E.; and Schmidt, H., 1979, Tropenmed. u. Parasitol., v. 30 (2), 206-211
Trypanosoma brucei rhodesiense, EATRO 1989 strain in white mice induced chronic infection with meningoencephalitis similar to infection in humans, suitable model for studying human infection and screening drug compounds for activity during late stages of infections

Pathology, Protozoa
Fiorani, S. A. S.; et al., 1976, AMB, Rev. Ass. Med. Brasil., v. 22 (2), 41-44
Trypanosoma cruzi, mice, neuron lesions of juxtaprostatic pelvic ganglion, applications for human testicular lesions and genital misfunctions in human infections

Pathology, Protozoa
Fiorillo, A. M.; and Muccillo, G., 1975, Rev. Brasil. Pesqui. Med. e Biol., v. 8 (1), 1-8
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Forsberg, C. M.; et al., 1979, Vet. Path., v. 16 (2), 229-242
Trypanosoma congolense, calves, kinetics of blood coagulation

Pathology, Protozoa
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Aedes aegypti feeding on Plasmodium gallinaceum-infected chickens: take less blood and lay fewer eggs than those feeding on uninfected hosts in inverse correlation with degree of parasitemia, and ingest blood in amounts directly proportional to amount of time spent on hosts (whereas there is no relationship between host contact and blood meal size when feeding on uninfected hosts); infected chickens are less attractive to mosquitoes than uninfected chickens

Pathology, Protozoa
Fuller, G. K.; et al., 1979, Ann. Trop. Med. and Parasitol., v. 73 (5), 417-431
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Pathology, Protozoa
Galhotra, A. P.; et al., 1979, Haryana Agric. Univ. J. Research, v. 9 (1), 69-74
Trypanosoma evansi, dogs (exper.), clinicopathological changes, therapeutic trials with berenil and CL-64,855

Pathology, Protozoa
Galhotra, A. P.; et al., 1979, Indian Vet. J., v. 56 (6), 466-469
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Pathology, Protozoa
Gaon, D.; et al., 1973, Rev. Espan. Enferm. Apar. Digest., v. 40 (1), 17-22
Giardia lamblia, humans, values of serum immunoglobulins, disaccharidases, lactic acid and fecal pH compared with values in normal controls

Pathology, Protozoa
Garcia Garcia, M.; et al., 1979, Rev. Clin. Espan., v. 155 (2), 117-122
Plasmodium falciparum, humans, associated renal failure and respiratory distress, clinical aspects, case reports: Spain (travellers and workers from endemic areas)

Pathology, Protozoa
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Pathology, Protozoa
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Pathology, Protozoa
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Pathology, Protozoa
Geormaneanu, M.; et al., 1976, Rev. Pediat. (Pediat.), Bucuresti, v. 25 (1), 55-67
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Pathology, Protozoa
Giannini, S. D.; et al., 1975, Rev. Hosp. Clin., S. Paulo, v. 30 (4), suppl., 257-263
Chagas disease, aspects of lipid metabolism, comparison study of persons with chronic infections, chronic infections with cardiopathy, and normal controls, results imply that persons with chronic Chagas and cardiopathy may have lowered triglyceride synthesis

Pathology, Protozoa
Ginani, F. F.; et al., 1976, AMB, Rev. Ass. Med. Brasil., v. 22 (9), 329-332
Chagas disease, patients, acute dilatation of chagasic megacolon, clinical aspects, medical and surgical management, differential diagnosis: Brasil

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Pathology, Protozoa
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Pathology, Protozoa
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Babesia bovis (argentina)-infected calves, cryofibrinogen complex in plasma, characterization, contribution to pathophysiology

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Pathology, Protozoa
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Spironucleus muris, X-irradiated rats, ultrastructural changes in intestinal epithelium, no evidence of phagocytosis by Paneth cells

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toxoplasmosis, human lymphoglandular, pathological aspects

Pathology, Protozoa
Gullet, J.; et al., 1979, Am. J. Med., v. 67 (5), 891-896
Acanthamoeba astronyxis, Mexican woman, fatal case of disseminated granulomatous infection with skin lesion and focal encephalitis: San Francisco

Pathology, Protozoa
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Pathology, Protozoa
Hamerski, W.; Sikorski, R.; and Kawa, E., 1978, Terap. i Leki, v. 6, v. 28 (10), 342-343
Toxoplasma gondii, ophthalmic changes in children born of mothers who had been treated for chronic infection

Pathology, Protozoa
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Malamoeba locustae in laboratory bred Locusta migratoria (lumen of malpighian tubules and midgut), structure, effect on malpighian tubules

Pathology, Protozoa
Hartong, W. A.; Gourley, W. K.; and Arvanitakis, C., 1979, Gastroenterology, v. 77 (1), 61-69
Giardia lamblia, patients, clinical spectrum and functional-structural abnormalities of small intestinal mucosa, treatment with metronidazole or quinacrine: Kansas Univ. Medical Center

Pathology, Protozoa
Hein, B.; and Laemmler, G., 1978, Ztschr. Parasitenk., v. 57 (3), 199-211
Eimeria stiedai, rabbits (exper.), alteration of serum enzyme activities

Pathology, Protozoa
Hirsch, R. P., 1979, Internat. J. Parasitol., v. 9 (5), 395-399
Histomonas meleagridis-infected turkeys, dynamics of protozoan population density, plasma glutamic oxalacetic transaminase, plasma bilirubin concentration, relationship to clinical symptoms

Pathology, Protozoa
Hoffman, G. L.; et al., 1979, J. Fish Dis., v. 2 (2), 153-157
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Pathology, Protozoa
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Dicauda atherinoidi sp. nov., pathology

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Plasmodium berghei, uninfected cells separated from infected mouse blood were cleared more rapidly than normal mouse erythrocytes after injection into normal mice

Pathology, Protozoa
Huggins, D., 1972, Rev. Soc. Brasil. Med. Trop., v. 6 (3), 151-156
Trypanosoma cruzi, intravenous cholecystocholangiographic studies of pathologic changes in persons with chronic infections resulting in megaesophagus or megacolon

Pathology, Protozoa
Huldt, G.; et al., 1979, Nature, London (5693), v. 277, 214-216
Entamoeba histolytica activates complement by the alternative pathway and can be lysed by the reaction products, relevance of these observations to pathogenesis of amoebiasis is not yet known

Pathology, Protozoa
Hutchison, W. M.; et al., 1979, Acta Path. et Microbiol. Scand., v. 87B (6), 393-395
Toxoplasma gondii-infected cats, scanning electron microscopy of small intestinal mucosa

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Ikede, B. O., 1979, Research Vet. Sc., v. 26 (2), 145-151
Trypanosoma brucei, rams (exper.), genital lesions, histopathology

Pathology, Protozoa
Ilemobade, A. A.; and Blotkamp, C., 1978, Tropenmed. u. Parasitol., v. 29 (4), 443-450
Eperythrozoon ovis, sheep (exper.), pathologic changes in blood picture, concurrent or superimposed infection with Trypanosoma vivax did not affect growth of either parasite

Pathology, Protozoa
van den Ingh, T. S. G. A. M., 1977, Zentralbl. Vet.-Med., Reihe B, v. 24 (10), 773-786
Trypanosoma brucei brucei in rabbits (exper.), pathomorphological changes, 3 stages distinguished in course of infection

Pathology, Protozoa
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Trypanosoma brucei brucei, rabbit, clinicopathological changes, 3 stages distinguished in course of infection

Pathology, Protozoa
Ishii, A.; and Noboru, H., 1971, Snake, v. 3 (1), 24-29
Entamoeba invadens, exper. infection of Trimeresurus flavoviridis and Ahaetulla nusutus, pathology; attempts to infect laboratory rats and mice unsuccessful

Pathology, Protozoa
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T[rypanosoma] cruzi-infected rats, demonstration of neurological pathology

Pathology, Protozoa
Jervis, H. R.; and Takeuchi, A., 1979, Am. J. Path. (440), v. 94 (1), 197-200
Entamoeba histolytica, germfree guinea pigs, pathological changes, usefulness as an animal model

Pathology, Protozoa
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Pathology, Protozoa
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Pathology, Protozoa
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Pathology, Protozoa
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Pathology, Protozoa
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Pathology, Protozoa
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Pathology, Protozoa
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Pathology, Protozoa
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Pathology, Protozoa
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Pathology, Protozoa
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Pathology, Protozoa
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Pathology, Protozoa
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Pathology, Protozoa
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E[ntamoeba] histolytica, intrahepatic inoculation in Cricetus auratus of human strain associated with Blastocystis hominis, liver abscess, diagnosis, results demonstrate the tissue adaptability of B. hominis and its potential as a conditioned pathogen

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Pathology, Protozoa
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Plasmodium knowlesi in Macaca mulatta (exper.), pathology

Pathology, Protozoa
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Theileria annulata, cross-bred calves (exper.), histopathology

Pathology, Protozoa
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Pathology, Protozoa
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Pneumocystis carinii, 2-month-old human (lung parenchyma, lumen of capillaries), pathology, possible invasion of lung parenchyma by trophozoites conveyed by blood

Pathology, Protozoa
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Pathology, Protozoa
Sutton, R. H., 1979, Vet. Parasitol., v. 5 (1), 11-15
Eperythrozoon ovis, effect of infection on reductive potential of sheep erythrocytes

Pathology, Protozoa
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Pathology, Protozoa
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Pathology, Protozoa
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Pathology, Protozoa
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Pathology, Protozoa
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Pneumocystis carinii pneumonia, pathology in patients with malignant neoplasms, case reports: Japan

Pathology, Protozoa
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Eimeria acervulina- or Eimeria tenella-infected chickens, energy and nitrogen metabolism

Pathology, Protozoa
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Eimeria acervulina, chickens, single infection provides protection against adverse effects on energy and nitrogen metabolism of further similar infection

Pathology, Protozoa
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Pathology, Protozoa
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Pathology, Protozoa
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Pathology, Protozoa
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Pathology, Protozoa
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Pathology, Protozoa
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Trypanosoma lewisi, ATC strain in Sprague-Dawley rats, anemia, splenomegaly, and glomerulonephritis accompanied by presence of cold-active hemagglutinin for trypsinized rat erythrocytes

Pathology, Protozoa
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African trypanosomes, biologically active products and pathogenesis

Pathology, Protozoa
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Trypanosoma congolense-derived hemolytic fatty acids, characterization, probably not important mechanism of anemia in bovine trypanosomiasis

Pathology, Protozoa
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Pathology, Protozoa
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Trypanosoma vivax, T. congolense, zebu and N'Dama cattle, pathology compared, N'Dama not as susceptible as zebu and some displayed a remarkable immunity: Missira, Senegal

Pathology, Protozoa
Tovar, A. V.; et al., 1973, Rev. Fac. Med., Univ. Nac. Auton. Mexico, an. 16, v. 16 (1), 31-35
human amoebic hepatic abscess, analysis of hospital cases (presenting symptoms, complications, medical and surgical management): Mexico

Pathology, Protozoa
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Pathology, Protozoa
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Pathology, Protozoa
Tustin, R. C.; and van Heerden, J., 1979, J. South African Vet. Ass., v. 50 (1), 49-51
Theileria sp., bovine, clinical signs, lesions in spinal cord and meninges, histopathology: Rietgat area of Pretoria district, South Africa

Pathology, Protozoa
Urrutia, L. E.; Ramirez, R.; and Ruiz, J., 1976, Rev. Inst. Invest. Med., San Salvador, v. 5 (2), 154-159
Trypanosoma cruzi, survey of 40 children with either acute Chagas disease or chagasic myocarditis, 5-year follow-up of relationship between therapy with lampit, electrocardiographic changes, and changes in body weight: San Salvador, El Salvador

Pathology, Protozoa
Valli, V. E. O.; and Forsberg, C. M., 1979, Vet. Path., v. 16 (3), 334-368
Trypanosoma congolense, calves, quantitative histological changes

Pathology, Protozoa
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Trypanosoma congolense, calves (exper.), pathogenesis, neutropenia, myeloid response

Pathology, Protozoa
Valli, V. E. O.; Forsberg, C. M.; and Robinson, G. A., 1978, Vet. Path., v. 15 (5), 608-620
Trypanosoma congolense, calves (exper.), clinical observations, gross pathology

Pathology, Protozoa
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Hexamita muris in laboratory mice (intestines), disease picture somewhat different than previously reported

Pathology, Protozoa
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human intestinal amoebiasis, clinical manifestations, review of presenting forms (ameboma, fulminating forms, acute appendicitis), differential diagnosis, pathology: Mexico

Pathology, Protozoa
Verma, B. B.; and Gautam, O. P., 1978, Indian Vet. J., v. 55 (8), 648-653
Trypanosoma evansi, buffalo and cow calves (both exper.), clinical findings, parasitaemia, hematological changes

Pathology, Protozoa
Verma, B. B.; and Gautam, O. P., 1979, Indian Vet. J., v. 56 (1), 13-15
Trypanosoma evansi, buffaloes and cows (exper.), gross and histopathological changes

Pathology, Protozoa
Vianna, L. G.; and Vianna, A. L., 1978, Rev. Inst. Med. Trop. S. Paulo, v. 20 (1), 64-66
Trypanosoma cruzi, humans, associated bronchiectasis and pneumopathy, incidence survey: Brazil

Pathology, Protozoa
Vieira, C. B.; and Meneghelli, U. G., 1970, Rev. Inst. Med. Trop. S. Paulo, v. 12 (3), 175-178
Chagas disease, human, chronic infections, frequent evidence of hypoglycemia

Pathology, Protozoa
Vieira, C. B.; Soubihe, N. V.; and Ferriolli, F. (filho), 1970, Rev. Inst. Med. Trop. S. Paulo, v. 12 (3), 179-184
Trypanosoma cruzi, results of insulin tolerance test in infected dogs showed that dogs had a hypoglycemia similar to that of humans with chronic infection, rats had responses similar to that of control group

Pathology, Protozoa
Viles, J. M.; and Powell, E. C., 1977, Proc. 14. Electron Micr. Colloq., 43-59
Sarcocystis in Mus musculus (exper.) (abdominal musculature), pathology

Pathology, Protozoa
Vinayak, V. K.; Chitkara, N. L.; and Chhuttani, P. N., 1979, Tr. Roy. Soc. Trop. Med. and Hyg., v. 73 (3), 266-268
Entamoeba histolytica-infected rats pretreated with corticosteroids, irradiation or both, exacerbation of amoebic pathology, corticosteroid therapy possibly aggravates otherwise sub-clinical infection

Pathology, Protozoa
Voronin, V. N., 1971, Parazitologiia, Leningrad, v. 5 (2), 186-191
Thelohania contejeani in Astacus astacus (skeletal and cardiac muscles, ovaries and eggs) (nat. and exper.), prevalence, pathogenesis, developmental cycle, possibility of transovarian as well as oral transmission: Leningrad oblast

Pathology, Protozoa
Vortel, V.; et al., 1973, Sborn. Ved. Praci Lek. Fak. Karlovy Univ. Hradci Kralove, Suppl., v. 16 (2), 155-158
Trichomonas vaginalis causing enterocolitis in 9-day-old infant, infection thought to have occurred per os during delivery

Pathology, Protozoa
Vossen, M. E. M. H.; et al., 1978, Ztschr. Parasitenk., v. 55 (2), 101-118
Pneumocystis carinii, cortisone acetate-treated rats, elaborate ultrastructural studies, intracellular and extracellular stages, new life cycle proposed; direct pathogenicity in host cells indicated

Pathology, Protozoa
Vrablic, J.; and Catar, G., 1978, Biologia, Bratislava, s. B, Zool. (2), v. 33 (5), 377-385
Toxoplasma gondii, kittens, morphology of interaction between parasite and host cell

Pathology, Protozoa
Vreeken, J.; and Cremer-Goote, T. M., 1978, Brit. Med. J. (6136), v. 2, 533-535
falciparum malaria, haemostatic defect in non-immune patients, no evidence of diffuse intravascular coagulation (DIC), heparin not used and all recovered without residual symptoms; heparin administration should probably be considered only when clear-cut DIC has been demonstrated

Pathology, Protozoa
Wallach, D. F. H., 1979, Cell Biol. Internat. Rep., v. 3 (5), 395-408
malaria, membrane pathobiology, review

Pathology, Protozoa
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Pathology, Trematoda
Stanislawski, E.; Becker, W.; and Mueller, G., 1979, Comp. Biochem. and Physiol., v. 63B (4), 477-482
Biomphalaria glabrata, alterations of free amino acid content in hemolymph in starvation and after infection with Schistosoma mansoni

Pathology, Trematoda
Strausbaugh, L. J.; et al., 1978, Am. J. Trop. Med. and Hyg., v. 27 (5), 919-923
Schistosoma mansoni with associated chronic salmonellosis, case reports of 2 patients with nephrotic syndrome who responded poorly to therapy, renal biopsies demonstrated amyloidosis: Egypt

Pathology, Trematoda
Sukkar, M. Y.; Ahmed, N. D.; and Omer, A. H. S., 1979, Ann. Trop. Med. and Parasitol., v. 73 (1), 45-49
schistosomiasis, human bilharzial liver fibrosis, abnormal pattern of growth hormone release and low fasting blood glucose levels interpreted in terms of circulatory changes associated with infection

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Schistosoma haematobium, human genital organs, diagnosis and assessment of infections and calcifications using radiology

Pathology, Trematoda
Tantachamrun, T.; and Kliks, M., 1978, Southeast Asian J. Trop. Med. and Pub. Health, v. 9 (2), 228-231
Stellanthchasmus falcatus, human (terminal ileum), 3 case reports: Thailand

Pathology, Trematoda
Tewari, H. C.; and Ramachandran, P. K., 1979, J. Helminth., v. 53 (2), 117-120
Schistosoma incognitum, histopathology following exposure to normal vs. irradiated cercariae

Pathology, Trematoda
Tewari, H. C.; and Singh, (Kr.) S., 1979, Indian J. Animal Sc., v. 49 (5), 380-383
Schistosoma incognitum, mice, egg production mainly responsible for severity of disease and for anemia

Pathology, Trematoda
Tiboldi, T., 1979, Am. J. Trop. Med. and Hyg., v. 28 (4), 670-676
Schistosoma mansoni-infected mice, histopathological changes in ovaries in acute and chronic infections, pituitary hypofunction may contribute to pathological transformation of ovarian tissue

Pathology, Trematoda
Tiboldi, T., 1979, Am. J. Trop. Med. and Hyg., v. 28 (6), 1026-1030
Schistosoma mansoni-infected mice, histopathological changes in ovaries can be reversed by adequate antischistosomal therapy

Pathology, Trematoda
Tiboldi, T., 1979, Tr. Roy. Soc. Trop. Med. and Hyg., v. 73 (1), 81-84
Schistosoma mansoni, albino mice, intestinal parameters in assessing severity of disease, findings argue for small intestine as valuable organ for pathophysiological studies of acute infection

Pathology, Trematoda
Tiboldi, T.; et al., 1979, Am. J. Trop. Med. and Hyg., v. 28 (5), 871-872
Schistosoma mansoni, mice, observations on ovarian function during acute infections showed that estrus was present in some infected animals in spite of histopathological changes and decreased levels of progesterone in blood

Pathology, Trematoda
Tiboldi, T.; et al., 1979, Am. J. Trop. Med. and Hyg., v. 28 (5), 873-875
Schistosoma mansoni, mice, morphology and function of adrenals in acute infection

Pathology, Trematoda
Umerah, B. C., 1977, Radiology, v. 124 (3), 645-647
S[chistosoma] haematobium, humans, upper urinary tract changes after schistosomal infection are more often due to disturbances of ureteral peristalsis than to ureteral stricture

Pathology, Trematoda
Uzoukwu, M.; and Ikeme, M. M., 1978, Bull. Animal Health and Prod. Africa, v. 26 (2), 162-167
Fasciola gigantica, Fulani Zebu cattle, hepatic changes in natural chronic infestations, gross lesions, histopathology: Nsukka abattoir, Nigeria

Pathology, Trematoda
Vengesa, P. B.; and Leese, H. J., 1979, Tr. Roy. Soc. Trop. Med. and Hyg., v. 73 (1), 55-60
Schistosoma mansoni-infected Mus musculus, body weight, food intake, small intestinal weight, impaired transport of glucose, 3-0-methylglucose, sorbitol, and fluid, surface appearance of intestinal mucosa

Pathology, Trematoda
Veress, B.; et al., 1978, Ann. Trop. Med. and Parasitol., v. 72 (4), 357-361
nephrotic syndrome with special reference to schistosomal nephropathy, preliminary morphological study

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schistosomiasis, pathology, pathobiology, and pathogenesis, review

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Warren, K. S.; et al., 1979, Am. J. Trop. Med. and Hyg., v. 28 (5), 864-870
Schistosoma haematobium, school children, relationship between egg output and morbidity: Coast Province of Kenya

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Waslien, C. I.; Farid, Z.; and Darby, W. J., 1973, South. Med. J., v. 66 (1), 47-50
schistosomiasis and/or hookworm, humans, study of blood and nutrition losses shows that drain on iron, protein, zinc and vitamin A stores plus other pathology is more significant as cause of malnutrition than abnormality of absorption functions: Egypt

Pathology, Trematoda
Wensvoort, P.; Over, H. J.; and van Strien, M. J., 1979, Vet. Quart., v. 1 (2), 75-81
Fasciola hepatica, cattle (exper.), character, extent, and localization of perilobular fibrosis in liver

Pathology, Trematoda
Wheater, P. R.; and Wilson, R. A., 1979, Parasitology, v. 79 (1), 49-62
Schistosoma mansoni, route and timing of migration in mice, quantitative histological techniques; histopathology of host response during migration

Pathology, Trematoda
Widman, A.; et al., 1973, Rev. Hosp. Clin., S. Paulo, v. 28 (4), 177-187
Schistosoma mansoni, humans with portal hypertension resulting from hepatosplenic involvement, comparison of diagnostic X-ray films done arterially with those done during splenorenal anastomosis

Pathology, Trematoda
Wilkins, H. A.; et al., 1979, Tr. Roy. Soc. Trop. Med. and Hyg., v. 73 (1), 74-80
Schistosoma haematobium, human, intensity and prevalence of proteinuria and hematuria determined using urinalysis reagent strips, close relationship to intensity of infection suggests these parameters may have value as indications for chemotherapy, good prognosis in subjects with heavy proteinuria suggests that this urinary protein is likely to originate from lesions in lower renal tract rather than kidney: The Gambia; Egypt

Pathology, Trematoda
Witham, R. R.; and Mosser, R. S., 1979, Gastroenterology, v. 77 (6), 1316-1318
schistosomiasis mansoni in Arabian man as cause of duodenitis, successful treatment with niridazole, case report: United States (emigrated from Yemen)

Pathology, Trematoda
Wu, W. Q.; and Fritzlen, T., 1976, Surg. Neurol., v. 5 (6), 333-335
cerebral schistosomiasis mansoni, 30-year-old Saudi Arabian student, parasite-associated major epileptic seizure resulted in subluxation of cervical spine, surgical therapy: Missouri (had frequently visited Egypt)

Pathology, Trematoda
Wyler, D. J.; Wahl, S. M.; and Wahl, L. M., 1978, Science (4366), v. 202, 438-440
Schistosoma mansoni, egg granulomas (obtained from livers of infected mice) secrete fibroblast stimulating factor in vitro, this suggests that hepatic granulomas may play role in development of hepatic fibrosis in schistosomiasis

Pathology, Trematoda
Yoshino, T. P., 1976, J. Invert. Path., v. 28 (2), 209-216
Euhaplorchis californiensis rediae, effect on digestive gland cells of Cerithidea californica, light and electron microscopy

Pathology, Trematoda
Young, S. W.; et al., 1974, Radiology, v. 111 (1), 81-84
Schistosoma haematobium, human urinary tract lesions as detailed by urography, study of 153 patients

Pathology, Trematoda
Young, S. W.; et al., 1979, Tr. Roy. Soc. Trop. Med. and Hyg., v. 73 (3), 249-253
Schistosoma haematobium, patients with obstructive uropathy secondary to parasitic infections, effects on hydrogen ion excretion and urine osmolality studied

Pathology, Trematoda
Zajicek, D.; et al., 1977, Vet. Med., Praha, v. 50, v. 22 (2), 99-108
Paramphistomum sp., lambs (exper.), pathogenic effect on blood values, amino-transferases, alkaline phosphatase, minerals in blood serum

Pathology, Trematoda
Zharikov, I. S.; et al., 1975, Vet. Nauka--Proizvod., Trudy, Minsk, v. 13, 104-105
paramphistomiasis, calves, increased activity of malate and succinate dehydrogenase in blood; changes apparently more from excretory, secretory and metabolic products than from mechanical influence of parasite

Pathophysiology. See Pathology; Physiology, Host.

Penetration. [See also Invasion mechanisms]

Penetration
Akinshina, G. T.; and Desmon, Zh., 1977, Veterinariia, Moskva (12), 80-85
Toxoplasma gondii, mechanical-secretory penetrative ability into mouse peritoneal macrophages is correlated with strain virulence, scanning electron microscopy

Penetration
Ansari, M. Z.; Singh, K. S.; and Iyer, P. K. R., 1979, Indian J. Animal Sc., v. 49 (6), 491-494
Gaigeria pachyscelis, lambs, guinea-pigs, and mice (all exper.), mode of penetration through skin and lungs, histopathology

Penetration
Coil, W. H., 1977, Ztschr. Parasitenk., v. 52 (1), 53-59
Fascioloides magna miracidia, scanning electron microscopy of penetration of snail Fossaria bulimoides, attraction, attachment, morphology of apical papilla and epidermal plates, shedding of cilia and epidermal plates

Penetration
Coil, W. H., 1977, Ztschr. Parasitenk., v. 54 (3), 229-232
Fasciola hepatica miracidia, scanning electron microscopy of penetration into Fossaria bulimoides, topographic miracidial morphology, course and rate of penetration

Penetration
Croll, N. A.; and Ma, K., 1978, Internat. J. Parasitol., v. 8 (4), 289-295
Nippostrongylus brasiliensis, factors which determine emergence from pulmonary circulation into alveoli and bronchioles of rat's lung, includes some brief observations on Ancylostoma tubaeforme

Penetration
da Cunha, A. B.; et al., 1978, Rev. Brasil. Biol., v. 38 (4), 875-884
Schneideria schneiderae, effects of several metabolic inhibitors on penetration of sporozoites into host cells and intracellular development of trophozoites

Penetration
da Cunha, A. B.; and Jurand, A., 1978, Arch. Protistenk., v. 120 (3), 233-254
Schneideria schneiderae in Trichosia pubescens (exper.), entry into and development in cells of intestinal caecum, host cell-symbiont interrelations, metabolic exchanges, symbiotic bacteria in cytoplasm of Schneideria, ultrastructural study

Penetration
Dorsey, C. H.; and Stirewalt, M. A., 1977, Ztschr. Parasitenk., v. 54 (2), 165-173
Schistosoma mansoni cercariae, large concentrations of calcium in preacetabular glands localized in electron-lucent areas of type-A granules

Penetration
Evans, D. A.; and Ellis, D. S., 1978, Tr. Roy. Soc. Trop. Med. and Hyg., v. 72 (6), 653-655
Trypanosoma brucei rhodesiense, evidence of active penetration and passage of trypanosomes across midgut cells of Glossina morsitans morsitans rather than passive uptake

Penetration
Ghandour, A. M.; and Ibrahim, A. M., 1978, J. Helminth., v. 52 (4), 339-342
Schistosoma mansoni, proportion of cercariae from 'glucose-fed' Biomphalaria pfeifferi dying in mouse skin was much lower than that from normal control snails, suggests that death of cercariae during penetration of host skin is probably due to exhaustion of their energy reserves

Penetration
Gilbert, B.; Pellegrino, J.; and dos Santos Filho, D., 1971, Rev. Brasil. Pesqui. Med. e Biol., v. 4 (4-5), 315-316
Schistosoma mansoni, laboratory studies using Enterolobium hexane extract as a stimulant for the first stages of cercarial penetration, cercariae burrowed into thin layer of extract without separation of head from tail during penetration

Penetration
Gorenflot, A.; et al., 1978, Ann. Pharm. Franc., v. 36 (5-6), 201-206
Plasmodium berghei, scanning electron microscopy, ionic etching of mouse erythrocytes using a cathodic evaporator permits visualization of parasitic penetration of erythrocyte membrane by invagination

Penetration
Grabda-Kazubska, B., 1974, Acta Parasitol. Polon., v. 22 (35-44), 393-400
Haplometra cylindracea, cercariae, penetration, routes of migration, and development in Rana temporaria and R. arvalis (both exper.)

Penetration
Haas, W.; and Schmitt, R., 1978, Naturwissensch., v. 65 (2), 110
Schistosoma mansoni cercariae, chemical stimuli for penetration of human skin

Penetration
Hess, E.; and Guggenheim, R., 1977, Ztschr. Parasitenk., v. 53 (2), 189-199
Mesocestoides corti tetrathyridium, microtriches and sensory processes on surface, transmission and scanning electron microscopy, microtriches may have roles in tissue penetration and food uptake

Penetration
Jensen, J. B.; and Edgar, S. A., 1978, J. Protozool., v. 25 (2), 169-173
Isospora canis, fine structure of penetration of cultured cells by sporozoites

Penetration
Kipnis, T. L.; Calich, V. L. G.; and Dias da Silva, W., 1979, Parasitology, v. 78 (1), 89-98
Trypanosoma cruzi, trypomastigote bloodstream forms of Y and CL stock, uptake by mouse peritoneal macrophages and intracellular differentiation and multiplication in vitro under a variety of conditions, results confirm that epimastigote culture forms are phagocytosed and suggest that bloodstream forms penetrate actively into macrophages

Penetration
Kongtong, P.; and Inoki, S., 1975, Kiseichugaku Zasshi (Japan. J. Parasitol.), v. 24 (5), 284-293
Trypanosoma cruzi, trypomastigotes, epimastigotes, method of entry into fibroblast cells and intracellular development, scanning electron microscopy

Penetration
Loker, E. S., 1978, Exper. Parasitol., v. 45 (1), 65-73
Schistosomatium douthitti, effect of age and of size of Lymnaea catascopium on miracidium-snail interactions and on susceptibility to infection, ingestion of miracidia and their subsequent penetration through esophageal wall, miracidial penetration of external snail surfaces was rare

Penetration
Meuleman, E. A.; et al., 1978, Ztschr. Parasitenk., v. 56 (3), 227-242
Schistosoma mansoni, miracidium body wall, changes during penetration into snail and transformation into mother sporocysts, ultrastructure

Penetration
Moczon, T., 1977, Bull. Acad. Polon. Sc., Cl. II, s. Sc. Biol., v. 25 (7), 479-481
extracts of Hymenolepis diminuta oncospheres and Nippostrongylus muris invasive larvae, negative results of biochemical tests for collagenase and hyaluronidase activities; mechanism of penetration not based on enzymatic depolymerization of collagen or hyaluronate

Penetration
Moczon, T., 1977, Bull. Acad. Polon. Sc., Cl. II, s. Sc. Biol., v. 25 (8), 531-535
Hymenolepis diminuta in Tenebrio molitor, histopathologic changes in host intestine caused by penetrating oncospheres suggest that secretion of penetration glands possesses enzymatic properties

Penetration
Nguyen, B. T.; and Stadtsbaeder, S., 1979, Ztschr. Parasitenk., v. 60 (2), 135-146
Toxoplasma gondii, trophozoites, modes of entry into normal mouse peritoneal macrophage and HeLa cell monolayers, phase-contrast microcinematography

Penetration
Nosek, J.; Rajcani, J.; and Kozuch, O., 1978, Zentralbl. Bakteriol., 1. Abt. Orig., Reihe A, v. 242 (2), 141-147
Ixodes ricinus, penetration and host tissue reactions during feeding of viruliferous ticks on Mesocricetus auratus (exper.)

Penetration
O'Daly, J. A.; and Aso, P. M., 1979, Exper. Parasitol., v. 47 (2), 222-231
Trypanosoma cruzi, Leishmania spp., factor in cell-free extracts that induces lysis of mammalian red cells and Vero cells, postulated that this lytic factor is involved in penetration and damage produced by T. cruzi in vertebrate cells

Penetration
Ørnbjerg Christensen, N.; Frandsen, F.; and Nansen, P., 1979, Ztschr. Parasitenk., v. 59 (3), 267-275
Schistosoma mansoni cercariae, mice, host-penetrative capacity under selected environmental exposure conditions and in relation to some parasite- and final-host-related factors

Penetration
Palmieri, J. R.; and James, H. A., 1976, Great Basin Nat., v. 36 (1), 97-100
Apatemon gracilis in Helobdella stagnalis, Placobdella parasitica, and Erpobdella punctata, effects of leech behavior on cercarial penetration and localization

Penetration
Saftoiu, A.; and Caloianu-Iordachel, M., 1978, Trav. Mus. Hist. Nat. "Gr. Antipa", Bucuresti, v. 19, 83-87
Nosema lymantriae in Lymantria dispar, ultrastructural data on intracellular development, possible method of penetration into host cell nucleus, potential of parasite in control of forest pests

Penetration
Schupp, E.; et al., 1978, Ztschr. Parasitenk., v. 55 (3), 189-193
Toxoplasma gondii, in vitro invasion of mouse erythrocytes, electron microscopy, sequence of events led to assumption of parasite actively penetrating non-phagocytic host cell

Penetration
de Souza, W.; and Souto-Padron, T., 1978, Ztschr. Parasitenk., v. 56 (2), 123-129
Toxoplasma gondii, basic proteins, ultrastructural location on conoid, rhoptries and micronemes, possible role in penetration

Penetration
Tanabe, K.; et al., 1978, Exper. Parasitol., v. 46 (1), 72-82
Toxoplasma gondii tachyzoites can penetrate differentiating Friend erythroleukemia cells containing hemoglobin or erythrocyte membrane-specific proteins such as spectrin, these results suggest that such proteins may not be essential components in preventing this parasite's penetration into mammalian erythrocytes

Penetration
Tanabe, K.; et al., 1979, J. Gen. Microbiol., v. 113 (2), 433-437
Toxoplasma gondii, penetration of maturating red blood cells in vitro

Penetration
Vetter, J. C. M.; and Leegwater-v.d. Linden, M. E., 1977, Ztschr. Parasitenk., v. 53 (2), 155-158
Ancylostoma braziliense, A. ceylanicum, A. caninum, comparative study of path of migration in skin of dog and speed of penetration

Penetration
Vetter, J. C. M.; and Leegwater-v.d. Linden, M. E., 1977, Ztschr. Parasitenk., v. 53 (3), 255-262
Ancylostoma braziliense, dogs, penetration and path of migration in skin

Penetration
Vetter, J. C. M.; and Leegwater-v.d. Linden, M. E., 1977, Ztschr. Parasitenk., v. 53 (3), 263-266
Ancylostoma braziliense, dogs, penetration and migration in metacarpal foot pads; suggested that migration from epidermis into deeper tissue depends on presence of hair follicle systems

Penetration
Yamaguchi, T.; et al., 1970, Taiwan i Hsueh Hui Tsa Chih (J. Formosan Med. Ass.), v. 69 (7), 371-377
Anisakis larvae, monkeys (exper.), penetration studies; prevalence survey in marine fishes purchased in local markets: fish markets in Kaohsiung City, Taiwan

Penetration
Yousif, F.; and Laemmler, G., 1977, Ztschr. Parasitenk., v. 53 (2), 247-250
Angiostrongylus cantonensis larvae, higher numbers infected host Biomphalaria glabrata by oral route (ingestion) than by skin penetration; higher percentages found in mantle collar and muscular part of host body

Pennsylvania. See United States, Pennsylvania.

Peptides. See Proteins.

Pericardium. See Heart.

Periodicity
Anderson, P. A.; Nowosielski, J. W.; and Croll, N. A., 1976, Canad. J. Zool., v. 54 (9), 1481-1487
Trichobilharzia ocellata cercariae, marked diel pattern of emergence from Lymnaea stagnalis during periods of illumination, host movement stimulates cercarial emergence

Periodicity
Belozerov, V. N., 1971, Parazitologiia, Leningrad, v. 5 (6), 481-487
Ixodes ricinus, unfed nymphs, effect of changes in photoperiodic regime on development after engorgement

Periodicity
Belozerov, V. N., 1973, Parazitologiia, Leningrad, v. 7 (1), 14-18
Dermacentor silvarum, capability of adult females to engorge depends on temperature and photoperiod at prefeeding stage, thus certain conditions may give rise to a form of diapause as a seasonal adaptation

Periodicity
Belozerov, V. N.; and Ghalal Murad, M., 1977, Entom. Obozr., v. 56 (3), 495-504
Hyalomma anatolicum, photoperiodic regulation of nymphal diapause, long-day type reaction, related to engorgement, seasonal-cyclic adaptation: Tadzhikistan and Turkmenia, USSR

Periodicity
Belozerov, V. N.; and Luzev, V. V., 1974, Parazitologiia, Leningrad, v. 8 (6), 515-523
Haemaphysalis longicornis, effect of photoperiod and temperature on behavior and development of larvae and nymphs

Periodicity
Bhat, H. R., 1978, Indian J. Animal Sc., v. 48 (11), 821-825
Amblyomma integrum, life-history under laboratory conditions, periodicity in engorgement and dropping, correlation between total egg output and weight of engorged females

Periodicity
Bhat, H. R., 1979, Indian J. Animal Sc., v. 49 (7), 517-522
Haemaphysalis spinigera, life-history under laboratory conditions, periodicity in engorgement and dropping off, total egg output directly proportional to weight of engorged female

Periodicity
Brinkmann, U. K., 1978, Tropenmed. u. Parasitol., v. 29 (1), 49-50
Wuchereria bancrofti, method for standardizing observed microfilarial densities to eliminate effect of periodicity in epidemiological comparisons

Periodicity
Byram, J. E.; and Byram, K. W., 1976, Rice Univ. Studies, v. 62 (4), 43-67
Moniliformis dubius, larval morphogenesis in Periplaneta americana, effect of temperature, season, photoperiod, and elevated temperature stress, morphological anomalies

Periodicity
Casto, S. D., 1974, J. Med. Entom., v. 11 (1), 113-114
Syringophiloidus minor, laboratory evidence of nocturnal dispersal rhythm

Periodicity
Clarke, P. L., 1979, Brit. Poultry Sc., v. 20 (3), 317-322
Eimeria tenella-infected chicks (exper.), periodicity of caecal defaecation

Periodicity
Combes, C.; and Theron, A., 1977, Publicaciones Espec. (4), Inst. Biol., Univ. Nac. Autonom. Mexico, 141-150
trematodes, periodicity of cercarial emission, types of rhythms and factors synchronizing them, adaptive value in completion of life cycle, potential use in prevention of human and animal infection

Periodicity
Deane, L. M.; da Silva, J. E.; and Loures, L. (filho), 1974, Rev. Inst. Med. Trop. S. Paulo, v. 16 (1), 1-6
Trypanosoma minasense, naturally infected marmosets, parasitemia has circadian rhythm with highest level at 16:00 hrs, natural vector may be hematophagous insect with preference for afternoon feeding: Brazil

Periodicity
Disko, R., 1978, Ztschr. Parasitenk., v. 55 (3), 235-239
Schistosoma mansoni-infected snails, 'eclosion clock' apparatus for study of cercarial

Periodicity
Doube, B. M., 1975, J. Med. Entom., v. 12 (2), 240-243
Ornithodoros gurneyi, laboratory rearing technique, feeding and detaching, molting and development, mating and oviposition, reproductive diapause, effects of temperature, photoperiod, and pressure

Periodicity
Gore, T. C.; and Noblet, G. P., 1978, Poultry Science, v. 57 (3), 603-607
Leucocytozoon smithi, turkeys, close correlation between turkey deep body temperature and L. smithi cyclic behavior under conditions of natural, reversed, and continuous light

Periodicity
Greig, W. A.; et al., 1979, Brit. Vet. J., v. 135 (2), 130-141
Trypanosoma congolense, T. vivax, cattle, factors affecting blood sampling for parasitemia and anemia (diurnal variation; ear-vein vs. jugular-vein blood): The Gambia

Periodicity
Hawking, F., 1978, Tr. Roy. Soc. Trop. Med. and Hyg., v. 72 (6), 592-595
Trypanosoma congolense, circadian rhythm in numbers of parasites in blood of laboratory rodents, indisputable rhythms not found in T. vivax, T. brucei, and T. lewisi

Periodicity
Hayakawa, H., 1978, Bull. Tohoku National Agric. Exper. Station (Tohoku Nogyo Shikenjo Kenkyu Hokoku) (58), 261-270
Haematobia irritans attacking pastured cattle, seasonal and diurnal activities: Iwate Prefecture, Honshu, Japan

Periodicity
Hendrix, S. S., 1978, J. Parasitol., v. 64 (4), 606-612
Plagioporus hypentelii, life history and seasonal biology, effect of snail sex and age on daughter sporocyst burden, photoperiodicity of cercarial emergence: Monocacy River drainage, Pennsylvania

Periodicity
Joesoef, A.; and Cross, J. H., 1978, Southeast Asian J. Trop. Med. and Pub. Health, v. 9 (1), 15-19
Wuchereria bancrofti, Brugia malayi, B. timori, human, microfilarial periodicity, distribution survey in Indonesia

Periodicity
Kanda, T.; et al., 1979, Southeast Asian J. Trop. Med. and Pub. Health, v. 10 (1), 32-50
Brugia malayi, Brugia timori, classification of microfilarial periodicities using Aikat and Das statistical method, survey of 6 localities in Indonesia

Periodicity
Korkejian, A.; and Edeson, J. F. B., 1978, Ann. Trop. Med. and Parasitol., v. 72 (1), 65-78
Dipetalonema reconditum in dogs, morphology of adults and microfilariae, periodicity, Ctenocephalides felis (nat. and exper.) as probable vector: Lebanon

Periodicity
Landau, I.; et al., 1979, Compt. Rend. Acad. Sc., Paris, v. 288, s. D, Sc. Nat. (5), 521-522
Plasmodium yoelii, gametocytes, morphological characters as indication of age, infectivity, and periodicity

Periodicity
Macdonald, S.; and Combes, C., 1978, Chronobiologia, v. 4 (3), 277-285
Polystoma integerrimum from Rana temporaria, hatching rhythm of oncomiracidia under different experimental conditions of light and darkness and temperature

Periodicity
Macdonald, S.; and Jones, A., 1978, J. Helminth., v. 52 (1), 23-28
Diplozoon homoion gracile from Barbus meridionalis, egg-laying and hatching rhythms, probably synchronized to host behavior so as to increase chances of successful invasion by larvae

Periodicity
Marinkelle, C. J., 1970, Rev. Biol. Trop., v. 16 (2), 1968, 145-152
Ochoterenella sp., microfilarial periodicity in Bufo marinus

Periodicity
Masuya, T., 1976, Kiseichugaki Zasshi (Japan. J. Parasitol.), v. 25 (4), 283-312
microfilariae of 13 spp. with different patterns of periodicity examined for presence or absence of photodynamic substances, fluorescence microscopy, microfluorophotometry, scanning electron microscopy

Periodicity
Matskasi, I., 1970, Folia Parasitol., v. 17 (1), 25-30
Opisthodiscus diplodiscoides, neurosecretory cells, morphology, diurnal rhythm of secretory activity

Periodicity
Nathan, M. B.; Bartholomew, C. F.; and Tikasingh, E. S., 1978, Tr. Roy. Soc. Trop. Med. and Hyg., v. 72 (4), 420-422
Mansonella ozzardi, human, microfilaria concentrations in capillary and venous blood and in skin compared, 24-hour observation of circulating microfilariae showed considerable variation between subjects but no evidence of periodicity, Wuchereria bancrofti exhibited nocturnal periodicity in 2 subjects with mixed infections: Trinidad

Periodicity
Pointier, J. P.; and Theron, A., 1979, Ann. Parasitol., v. 54 (1), 43-56
Schistosoma mansoni, distribution and population dynamics of Biomphalaria glabrata, prevalence of infection, rhythm of presence and density of cercariae: freshwater mangrove, Guadeloupe, French Antilles

Periodicity
Pugh, R. N. H., 1979, Ann. Trop. Med. and Parasitol., v. 73 (1), 89-90
Schistosoma haematobium, boys, periodicity of egg output in urine, highest output between 12 and 15 hours: Tunau Primary School, Malumfashi, northern Nigeria

Periodicity
Rechav, Y., 1978, Experientia, v. 34 (4), 478-479
Amblyomma hebraeum, lack of daily rhythm in release of assembly pheromones

Periodicity
Rechav, Y., 1978, J. Med. Entom., v. 14 (6), 677-687
Amblyomma hebraeum, Himalayan giant rabbits (exper.), factors regulating drop-off rhythms of engorged larvae and nymphs, light is dominant synchronizer affecting endogenous rhythms

Periodicity
Rechav, Y.; Whitehead, G. B.; and Terry, S. B., 1978, J. South African Vet. Ass., v. 49 (2), 99-101
ticks, mortality curves of larvae dipped in dioxathion, chlorphenvinphos, and oxionthiophos, time of application, larvae of ticks exhibit diel periodicity in sensitivity to acaricides

Periodicity
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Uncinaria stenocephala, dogs (exper.), worm population and topographical distribution in host intestine, prepatent and patent period, rhythym of daily worm-egg counts; egg and larval survival at low temperatures; natural infections in foxes and experimental cross-infections between dogs and foxes, epidemiological implications: Netherlands

Periodicity
Rondelaud, D., 1978, Ann. Parasitol., v. 53 (1), 63-74
Fasciola hepatica-infected or non-infected Lymnaea truncatula, disturbance of daily rhythm of behavior in presence of predators

Periodicity
Rusak, L. V., 1974, Parazitologiia, Leningrad, v. 8 (2), 109-111
Hymenolepis nana, young and adult worms, changes in localization in intestine of white mice in course of a day

Periodicity
Schenone, H.; et al., 1977, Bol. Chileno Parasitol., v. 32 (3-4), 63-66
Trypanosoma cruzi, patient with chronic infection and constant parasitemia, xenodiagnosis for study of diurnal and nocturnal periodicity

Periodicity
Smith, H. J., 1978, Canad. J. Comp. Med., v. 42 (3), 332-339
Cooperia oncophora, calves (exper.), larvae conditioned at certain temperatures prior to infection had inhibited development, photoperiod or presence of light prior to infection did not affect development

Periodicity
Tashkinov, N. I., 1972, Parazitologiia, Leningrad, v. 6 (4), 326-333
Oedemagena tarandi in reindeer of different age and sex groups, larval development, larval emergence, flight and attacking activity of imagos: seasonal and daily dynamics, weather effects, other factors

Periodicity
Ternovoi, V. I., 1978, Entom. Obozr., v. 57 (3), 481-487
Wohlfahrtia magnifica, pupal diapause, autumn temperatures and photoperiod as factors, practical importance of stronger autumn control measures to prevent population buildup

Periodicity
Tinar, R., 1978, Vet. Fak. Dergisi, Ankara Univ., v. 25 (3), 372-378
Fasciola hepatica, sheep (exper.), numbers of eggs in feces highest between 1600 and 1900 hours during day

Periodicity
Valle, C. M.; Pellegrino, J.; and Alvarenga, N., 1973, Rev. Inst. Med. Trop. S. Paulo, v. 15 (4), 195-201
Schistosoma mansoni cercariae, circadian rhythmic emergence from Biomphalaria glabrata, influences of light and temperature

Periodicity
Weller, P. F.; and Ottesen, E. A., 1978, Tr. Roy. Soc. Trop. Med. and Hyg., v. 72 (1), 31-32
Wuchereria bancrofti, in persons with subperiodic infections diethylcarbamazine fails to provoke marked increase in circulating microfilariae immediately after therapy is initiated; in contrast, in persons with nocturnally periodic infections there is significant increase

Peritoneum
Ferreira Montero, V.; and Fabian, P. G., 1973, Rev. Espan. Enferm. Apar. Digest., v. 39 (5), 589-594
human echinococcosis, rupture of hepatobiliary cyst into peritoneum with resulting peritonitis, 2 case reports, clinical management: Spain

Peritonitis. See Peritoneum.

Permeation. [See also Absorption; Osmosis]

Permeation
Koshkina, L. A., 1971, Trudy Gel'mint. Lab., Akad. Nauk SSSR, v. 22, 88-92
Ascaridia galli, in vivo and in vitro studies on effect of host immunity on cuticle permeability

Permeation
Koshkina, L. A., 1973, Trudy Gel'mint. Lab., Akad. Nauk SSSR, v. 23, 82-86
Ascaridia galli, in vitro glucose uptake greater in worms from vaccinated chicks than in those from unvaccinated chicks, increased parasite surface permeability possibly related to increased host immunity

Permeation
Koshkina, L. A., 1974, Trudy Gel'mint. Lab., Akad. Nauk SSSR, v. 24, 64-69
Ascaridia galli, ATP-ase, histochemical localization in cutaneous-muscular tissue, optimal conditions for activity, effect of host immunity on activity

Permeation
Pavlov, A. V.; and Koshkina, L. A., 1973, Trudy Gel'mint. Lab., Akad. Nauk SSSR, v. 23, 119-121
Ascaris suum, role of nervous system in regulating cuticular permeability

Peru
Buck, A. A.; et al., 1978, Tropenmed. u. Parasitol., v. 29 (1), 61-70
human poly-parasitism, epidemiological and ecological features, occurrence, frequency, and distribution of multiple infections in rural communities, age and sex patterns: Chad; Peru; Afghanistan; Zaire
(Plasmodium falciparum; P. malariae; P. vivax; Chagas' disease; leishmaniasis; Toxoplasma gondii; Fasciolidae; hookworm; Strongyloides stercoralis; Ascaris lumbricoides; Trichuris trichiura; Taenia saginata; Hymenolepis nana; Entamoeba histolytica; Balantidium coli)

Peru
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bibliography of Ixodoidea from Peru, parasite list with geographical distribution and hosts

Peru
Naquira, C.; et al., 1973, Rev. Peruana Med. Trop., v. 2 (1), 37-41
human intestinal parasites, prevalence survey, school children from San Juan and Magdalena Districts, Peru
(Entamoeba histolytica; E. coli; Endolimax nana; Iodamoeba butschlii; Giardia lamblia; B. coli; O. vermicularis; Ascaris lumbricoides; Trichuris trichiura; Trichostrongylus sp.; Paragonimus sp.; Taenia sp.; Hymenolepis nana; H. diminuta; anquilostomideos)

pH. See Hydrogen ion concentration.

Phagocytosis. [See also Endocytosis; Feeding; Immunity, Phagocytosis; Invasion mechanisms; Pinocytosis]

Phagocytosis
Akinshina, G. T.; and Desmon, Zh., 1977, Veterinariia, Moskva (12), 80-85
Toxoplasma gondii, mechanical-secretory penetrative ability into mouse peritoneal macrophages is correlated with strain virulence, scanning electron microscopy

Phagocytosis
Ardehali, S. M.; and Khoubyar, K., 1978, Tr. Roy. Soc. Trop. Med. and Hyg., v. 72 (6), 645-646
Leishmania spp., comparison of rate of parasite uptake by mouse peritoneal macrophages

Phagocytosis
Ardehali, S. M.; Khoubyar, K.; and Rezai, H. R., 1979, Acta Trop., v. 36 (1), 15-21
Leishmania-macrophage interaction in vitro, effect of cytochalasin B, concluded that infection was by phagocytosis rather than active penetration, cells from outbred mouse strain susceptible to L. tropica phagocytosed this species less efficiently than L. enriettii or L. donovani

Phagocytosis
Baker, J. R.; and Liston, A. J., 1978, J. Gen. Microbiol., v. 104 (1), 79-89
Trypanosoma dionisii, effect of various agents (including temperature, complement, trypsin, cytochalasin B and immune plasma) on attachment and entry to mouse peritoneal macrophages in vitro, and subsequent morphogenesis; attachment occurred to non-specific receptors, entry by phagocytosis

Phagocytosis
Bannister, L. H., 1979, Proc. Roy. Soc. London, s. B., Biol. Sc. (1155), v. 204, 141-163
intracellular Protista, taxonomic range, location within host cells, host species and host cell specificity, invasion of host cells, methods of evading intracellular destruction by lysosomes, nutrition, effects on structure and composition of host cells, exit from host cell, review

Phagocytosis
Brown, T., 1978, J. Med. Microbiol., v. 11 (3), 249-259
Naegleria fowleri, cytopathogenicity in mouse embryo-cell cultures, no evidence that cell-free cytotoxic factors play a part, damage seemed to occur only as result of direct contact with active amebae and appeared to be associated with phagocytic activity of trophozoites

Phagocytosis
Brown, T., 1979, J. Med. Microbiol., v. 12 (3), 355-362
Naegleria fowleri, cytopathogenicity in mouse embryo-cell cultures, inhibition by amoeba-specific antiserum and by cytochalasin B, concluded that cytopathogenicity was due to physical rather than biochemical or cytotoxic mechanisms and was associated with phagocytic activity of trophozoites

Phagocytosis
Brown, T., 1979, J. Med. Microbiol., v. 12 (3), 363-371
Naegleria fowleri, cytopathogenicity in mouse embryo-cell cultures, observations by immunofluorescence microscopy and electron microscopy, concluded that trophozoites destroy cultured cells by phagocytosis-like mechanism without aid of amoeba-associated cytotoxic or cytolytic agents

Phagocytosis
Chang, K. P., 1978, Am. J. Trop. Med. and Hyg., v. 27 (6), 1084-1096
Leishmania braziliensis-like, entry of promastigotes into human skin fibroblasts in vitro, lack of phagosome-lysosome fusion after entry, transformation into amastigotes, intracellular survival and multiplication; L. donovani promastigotes unable to infect human skin fibroblasts in vitro

Phagocytosis
Chang, K. P., 1979, Exper. Parasitol., v. 48 (2), 175-189
Leishmania donovani, promastigote-macrophage surface interactions in vitro

Phagocytosis
Chang, K. P.; and Dwyer, D. M., 1978, J. Exper. Med., v. 147 (2), 515-530
Leishmania donovani/hamster macrophage interactions in vitro: cell entry, intracellular survival, and multiplication of amastigotes

Phagocytosis
Ebert, F.; Buse, E.; and Muehlpfordt, H., 1979, Ztschr. Parasitenk., v. 59 (1), 31-41
Leishmania donovani, virulent vs. avirulent promastigotes in hamster peritoneal macrophages in vitro, attachment, process of engulfment, amastigote multiplication, localization, light and electron microscopy

Phagocytosis
Garcia-Tamayo, J.; Nunez-Montiel, J. T.; and de Garcia, H. P., 1978, Acta Cytol., v. 22 (6), 447-455
Trichomonas vaginalis in human cervical and vaginal exudates, fine structure and acid phosphatase activity, relationship with other cellular elements including phagocytosis and digestion of epithelial cells and bacteria and phagocytosis by macrophages

Phagocytosis
Gorenflot, A.; et al., 1979, Ann. Pharm. Franc., v. 37 (7-8), 275-284
Plasmodium berghei, mice (exper.), cause-effect relationship between myelin-like form of erythrocytes and that of neutrophilic granulocytes or monocytes which have phagocytized pigment grains

Phagocytosis
Hart, P. A., 1979, Lysosomes Applied Biol. and Therap., v. 6, 409-423
phagosome-lysosome fusion in macrophages, possible role in intracellular fate of ingested microorganisms, review including some information on parasitic protozoa

Phagocytosis
Hirsch, J. G.; Jones, T. C.; and Len, L., 1974, Ciba Found. Symp., n.s. (25), 205-223
Toxoplasma gondii, interactions in vitro with mouse cells, review

Phagocytosis
Janiszewska, J.; Kassner, J.; and Modrzejewska, M., 1978, Zool. Polon., v. 27 (1), 135-143
Mrazekia limnodrili, fine structure of surface of infected phagocytes of Limnodrilus hoffmeisteri: Odra River bank, Wroclaw

Phagocytosis
Kipnis, T. L.; Calich, V. L. G.; and Dias da Silva, W., 1979, Parasitology, v. 78 (1), 89-98
Trypanosoma cruzi, trypomastigote bloodstream forms of Y and CL stock, uptake by mouse peritoneal macrophages and intracellular differentiation and multiplication in vitro under a variety of conditions, results confirm that epimastigote culture forms are phagocytosed and suggest that bloodstream forms penetrate actively into macrophages

Phagocytosis
Kongtong, P.; and Inoki, S., 1975, Kiseichugaku Zasshi (Japan. J. Parasitol.), v. 24 (5), 284-293
Trypanosoma cruzi, trypomastigotes, epimastigotes, method of entry into fibroblast cells and intracellular development, scanning electron microscopy

Phagocytosis
Liston, A. J.; and Baker, J. R., 1978, J. Gen. Microbiol., v. 107 (2), 253-262
Trypanosoma dionisii, phagocytosis by mouse peritoneal macrophages in vitro and subsequent fate therein

Phagocytosis
McCaul, T. F., 1977, Ztschr. Parasitenk., v. 52 (3), 203-211
Entamoeba histolytica trophozoites in contact with tissue culture cells with intact cell membranes, transmission electron microscopy of phagocytosis, attachment, endoplasmic streaming, and micropseudopodia

Phagocytosis
Milder, R.; Kloetzel, J.; and Deane, M. P., 1977, Rev. Inst. Med. Trop. S. Paulo, v. 19 (5), 313-322
Trypanosoma cruzi trypomastigotes, interaction with hamster peritoneal macrophages at optical and ultrastructural levels in vitro, possible mechanisms of parasite intracellular fate, strain differences

Phagocytosis
Nguyen, B. T.; and Stadtsbaeder, S., 1979, Ztschr. Parasitenk., v. 60 (2), 135-146
Toxoplasma gondii, trophozoites, modes of entry into normal mouse peritoneal macrophage and HeLa cell monolayers, phase-contrast microcinematography

Phagocytosis
Rostkowska, J., 1970, Acta Parasitol. Polon., v. 18 (27-41), 377-392
Balantidium coli, effect of various bacteria on propagation in vitro, on erythrophagocytic capability of balantidia, and on susceptibility of balantidia to atebrin, entobex, mexaform, and protargol; Trichomonas hominis, Chilomastix mesnili, and Dientamoeba fragilis found to be without effect; effect of balantidia on bacteria

Phagocytosis
Roth, R. L.; and Herman, R., 1979, Exper. Parasitol., v. 47 (2), 169-179
Plasmodium berghei, correlation of in vitro erythrophagocytosis with dynamics of early-onset anemia and reticulocytosis in mice

Phagocytosis
Ryning, F. W.; and Remington, J. S., 1978, Infect. and Immun., v. 20 (3), 739-743
Toxoplasma gondii, effect of cytochalasin D on entry into mononuclear phagocytes and into cells generally not considered to be phagocytes, results support concept that host cells actively participate in process by which Toxoplasma gains entry into cells

Phagocytosis
Takeuchi, T., 1977, Kiseichugaku Zasshi (Japan. J. Parasitol.), v. 26 (2), 75-85
Toxoplasma gondii, mechanism of entry into host cells, ultrastructural study

Phagocytosis
Terzakis, J. A.; et al., 1979, J. Protozool., v. 26 (3), 385-389
Plasmodium berghei, exoerythrocytic stages in rat liver, possible example of phagocytosis by Kupffer cells, electron microscopy

Phagocytosis
Trissl, D.; et al., 1978, J. Exper. Med., v. 148 (5), 1137-1145
Entamoeba, several species and strains, comparison of in vitro ingestion of human erythrocytes (HRBC), E. histolytica isolated from cases of human dysentery show significantly higher phagocytic rate of HRBC ingestion than nonpathogenic strains and than other Entamoeba not pathogenic for mammals, however all Entamoeba tested are able to ingest HRBC

Phagocytosis
Zenian, A.; Rowles, P.; and Gingell, D., 1979, J. Cell Sc., v. 39, 187-199
Leishmania tropica, uptake of promastigotes by macrophages, scanning electron microscopy, invasion is through phagocytosis rather than penetration

Pharmacology. [See also Drugs, Mode of action; Residues; Toxicity]

Pharmacology
Allen, G. D.; Goodchild, T. M.; and Weatherly, B. C., 1979, J. Chromatography (Biomed. Appl.), v. 164 (4), 521-526
diethylcarbamazine, determination of concentrations in human plasma and urine

Pharmacology
Alton, K. B.; and Patrick, J. E., 1979, J. Pharm. Sc., v. 68 (5), 599-601
tinidazole in human plasma, quantitative determination by high-performance liquid chromatographic assay

Pharmacology
Alton, K. B.; Patrick, J. E.; and McGuire, J. L., 1979, J. Pharm. Sc., v. 68 (7), 880-882
mebendazole, high-performance liquid chromatographic assay, tested on human plasma with known drug amounts added; possible use with Echinococcus multilocularis patients receiving chronic high dosage

Pharmacology
Anderson, R.; et al., 1979, South African Med. J., v. 55 (15), 593-596
metronidazole, no detectable effects on functions of human blood neutrophils and lymphocytes

Pharmacology
Andrews, P., 1976, Vet. Med. Rev. (2), 154-165
droncit, animals, plasma concentrations and distribution in host body determined using biological assay with helminth

Pharmacology
Banerjee, N. C.; et al., 1979, Indian Poultry Gaz., v. 63 (1), 19-21
sulfaphenazole, blood level, biological half life, volume distribution, and tissue dispersion in poultry, possible public health hazard

Pharmacology
Beadles, M. L.; Drummond, R. O.; and Whetstone, T. M., 1973, J. Econom. Entom., v. 66 (1), 125-127
Anocentor nitens, effects of various solvents on oviposition

Pharmacology
Beddok, R. A.; and Mansour, T. E., 1979, Biochem. Pharmacol., v. 28 (24), 3689-3692
Fasciola hepatica, serotonin-activated adenylate cyclase, antagonism by levorphanol and dextrorphan

Pharmacology
Blumer, J. L.; et al., 1979, Molec. Pharm., v. 16 (3), 1019-1030
niridazole, aerobic metabolism by rat liver microsomes

Pharmacology
Bouwsma, O. J.; Stewart, J. T.; and Capomacchia, A. C., 1978, J. Pharm. Sc., v. 67 (9), 1224-1228
α-dibutylaminomethyl-2,6-bis(p-trifluoromethylphenyl)-4-pyridinemethanol, potential antimalarial agent, characterization of pharmacologically important species derived by electronic absorption and fluorescence spectroscopy

Pharmacology
Brohult, J.; et al., 1979, Ann. Trop. Med. and Parasitol., v. 73 (5), 401-405
Plasmodium falciparum, chloroquine use by non-immunes when in endemic areas, analysis of drug concentrations in human serum during short and long term malaria prophylaxis, recommendations for standard vs. double dosage, clinical implications

Pharmacology
Bruckner, D. A.; Bueding, E.; and Voge, M., 1979, J. Parasitol., v. 65 (3), 473-474
Trichomonas vaginalis, mice, lack of obligatory association between mutagenic and antitrichomonal effects of metronidazole

Pharmacology
Buehring, K. U.; et al., 1978, European J. Drug Metab. and Pharmacokinet., v. 3 (3), 179-190
praziquantel-^{14}C, metabolism in man and Rhesus monkey, in vitro studies with rat liver homogenates

Pharmacology
Buttar, H. S.; Siddiqui, W. H.; and Moffatt, J. H., 1979, J. Pharm. and Pharmacol., v. 31 (8), 542-544
metronidazole, absorption, distribution, and elimination following intravaginal and oral administration to female rats

Pharmacology
de Carneri, I.; and Grassi, L., 1974, Parassitologia, v. 16 (1), 79-81
Dientamoeba fragilis, Entamoeba histolytica, E. coli, prevalence in 500 individuals, taxonomic implications of differential drug sensitivity

Pharmacology
Catchpool, J. F., 1974, Rev. Med. Pharmacol., 4. ed., 594-620
antiprotozoal drugs in current use, extensive review of modes of action, epidemiologic factors, clinical administration, contraindications and cautions

Pharmacology
Chavasse, C. J.; Brown, M. C.; and Bell, D. R., 1979, Ann. Trop. Med. and Parasitol., v. 73 (4), 363-367
Schistosoma mansoni, ultrasound compares favorably with other activity monitoring methods used to assess drug effects on worms; response to 5-hydroxytryptamine as indicator of neuromuscular status

Pharmacology
Chubb, J. M.; et al., 1978, J. Pharmacol. and Exper. Therap., v. 207 (2), 284-293
praziquantel, effects on electromechanical properties of isolated rat atria

Pharmacology
Coutinho, A.; Domingues, A. L. C.; and Bonfim, J. R. A., 1973, Rev. Inst. Med. Trop. S. Paulo, v. 15 supl. 1 (6), 15-34
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Pharmacology
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rafoxanide, metabolism, residues and excretion in blood, milk, meat, and urine of lactating cows

Pharmacology
Del Principe, D.; et al., 1979, Research Commun. Chem. Path. and Pharmacol., v. 25 (2), 307-317
levamisole, in vitro effect on oxygen consumption and survival of platelets

Pharmacology
Desjardin, R. E.; et al., 1979, Clin. Pharm. and Therap., v. 26 (3), 372-379
Plasmodium falciparum, healthy and infected humans, mefloquine hydrochloride, kinetics

Pharmacology
Diekmann, H. W., 1979, European J. Drug Metab. and Pharmacokinet., v. 4 (3), 139-141
quantitative determination of praziquantel in body fluids by gas chromatography

Pharmacology
Diekmann, H. W.; and Buehring, K. U., 1976, European J. Drug Metab. and Pharmacokinet., v. 1 (2), 107-112
praziquantel, metabolism in rat, beagle dog, and rhesus monkey

Pharmacology
Douch, P. G. C., 1979, Xenobiotica, v. 9 (4), 263-268
Moniezia expansa, Ascaris suum, metabolism of clioxanide and resorantel and related compounds

Pharmacology
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Ascaris suum, Moniezia expansa, disophenol, nitroxynil, nitrodan, metabolism by intact helminths, by helminth enzyme preparations, and by mouse- and sheep-liver enzymes

Pharmacology
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Pharmacology
El-Kholy, Z. A.; et al., 1979, Biochem. Pharmacol., v. 28 (21), 3171-3172
Schistosoma mansoni-infected and normal mice, effect of astiban on β-glucuronidase activity in liver, spleen, kidney, and bladder homogenates

Pharmacology
Fitch, C. D.; Chan, R. L.; and Chevli, R., 1979, Antimicrob. Agents and Chemotherapy, v. 15 (2), 258-262
Plasmodium berghei, undiminished mefloquine accumulation by erythrocytes infected with chloroquine-resistant strain provides explanation for superiority of mefloquine in treating chloroquine-resistant malaria, but competition observed between chloroquine and mefloquine raises possibility that same process of accumulation serves both drugs

Pharmacology
Fitch, C. D.; Ng, R. C. K.; and Chevli, R., 1978, Antimicrob. Agents and Chemotherapy, v. 14 (2), 185-193
Plasmodium berghei, evidence that erythrocyte surface components determine affinity with which chloroquine is accumulated and thereby determine whether or not the malaria parasite will be susceptible to the drug

Pharmacology
Foster, R., 1973, Rev. Inst. Med. Trop. S. Paulo, v. 15 supl. 1 (6), 1-9
Schistosoma mansoni, S. haematobium, S. japonicum, oxamniquine, efficacy and toxicity in various exper. animals, clinical trials in humans

Pharmacology
Goldsmith, R. S., 1974, Rev. Med. Pharmacol., 4 ed., 621-649
anthelmintics in current use, extensive review of modes of action, epidemiologic factors, clinical administration, contraindications and cautions

Pharmacology
Hackett, L. P.; and Dusci, L. J., 1979, J. Chromatography, v. 175 (2), 347-349
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Pharmacology
Haffeiz, A. A.; Salah, M. K.; and Abdel Aziz, F. T., 1978, Vet. Med. J., Giza, v. 24 (24), 1976, 65-69
ambilhar, rabbits, excretion of iron glucuronic acid, and etherial sulphates in urine

Pharmacology
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Pharmacology
Houghton, G. W.; et al., 1979, J. Antimicrob. Chemother., v. 5 (5), 621-623 [Letter]
metronidazole in healthy men, pharmacokinetics of oral vs. intravenous administration

Pharmacology
Hyodo, T.; et al., 1978, Nippon Zyuisi-Kai Zassi (J. Japan Vet. Med. Ass.), v. 31 (8), 454-458
diethylcarbamazine, dogs, effects of long-term administration

Pharmacology
Jokipii, L.; and Jokipii, A. M. M., 1979, Med. Microbiol. and Immunol., v. 167 (1), 61-70
metronidazole, agar-well diffusion bioassay using bacteria, increased sensitivity

Pharmacology
Keller, H.; and Mueller, R., 1979, Berl. u. Munchen. Tierarztl. Wchnschr., v. 92 (4), 63-65
dichlorvos, trichlorfon, horses, decrease in plasma cholinesterase activity, concluded that relaxation of horses with succinylcholine should not be carried out within 10 days after exposure to organophosphorus type anthelmintics

Pharmacology
Keystone, J. S.; and Murdoch, J. K., 1979, Ann. Int. Med., v. 91 (4), 582-586
mebendazole, mode of action, pharmacokinetics, and clinical efficacy of approved and nonapproved uses, review over past 5 years

Pharmacology
Koch, R. L.; et al., 1979, Biochem. Pharmacol., v. 28 (24), 3611-3615
appearance of acetamide derived from metronidazole in conventional rats appears to be mediated by intestinal microflora, acetamide is a weak carcinogen

Pharmacology
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metronidazole forms N-(2-hydroxyethyl)-oxamic acid, anaerobic metabolism

Pharmacology
Kozhokaru, A. F.; and Topaly, V. P., 1976, Med. Parazitol. i Parazitar. Bolezni, v. 45 (2), 178-183
Fasciola hepatica total and mitochondrial lipids, ox brain total lipids, and ox heart mitochondrial lipids as sources of bimolecular phospholipid membranes in which proton conductivity induced by aromatic sulfides, sulfoxides, and sulfones correlated with their fasciolicidal effects and permitted toxicity evaluation

Pharmacology
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assay of metronidazole and tinidazole in plasma and metronidazole in feces by high-performance liquid chromatography

Pharmacology
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metronidazole, biliary and renal excretion, hepatic metabolism, and hepatic subcellular distribution in bile fistula rats, glucuronide conjugate of metronidazole was devoid of activity against Tritrichomonas foetus

Pharmacology
Lichtenwalner, D. M.; et al., 1979, Antimicrob. Agents and Chemotherapy, v. 16 (5), 579-583
trimethoprim, sulfamethoxazole, rapid assay for determination of levels in serum by spectrofluorometry

Pharmacology
McCormack, J. J.; et al., 1979, Biochem. Pharmacol., v. 28 (21), 3227-3229
inhibition of dihydrofolate reductases by derivatives of 2,4-diaminopyrroloquinazoline, Crithidia oncopelti used as one source of reductases

Pharmacology
McEwan, A. D.; Oakley, G. A.; and Robinson, M., 1979, Vet. Rec., v. 105 (1), 15-16
Dictyocaulus viviparus, calves (exper.), lung lesions more severe with fenbendazole than with levamisole and certain types more severe in treated calves vs. controls, may be direct result of drug action

Pharmacology
McQuistion, T. E.; and McDougald, L. R., 1979, Ztschr. Parasitenk., v. 59 (2), 107-113
Eimeria tenella, surgical ligation of chick ceca used to study role of absorption and extraintestinal transport in action of anticoccidial drugs

Pharmacology
Mansour, T. E., 1979, Science (4405), v. 205, 462-469
helminths, regulation of motility, metabolism, chemotaxis, and egg formation in relation to development of new and more selective chemotherapeutic agents, review

Pharmacology
Meingassner, J. G.; et al., 1979, Poultry Science, v. 58 (2), 308-313
Eimeria tenella, broilers (exper.), monensin, lasalocid, anticoccidial activity enhanced when combined with tiamulin, tiamulin alone was inactive; metabolic fate of monensin and tiamulin separately or in combination monitored using isolated, perfused rat liver

Pharmacology
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mefloquine, hydrophobic amine antimalarial, low levels in whole blood samples analyzed with plastic ion-selective electrode

Pharmacology
Meuldermans, W. E. G.; et al., 1976, European J. Drug Metab. and Pharmacokinet., v. 1 (1), 35-40
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Physiology, Host
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giardiasis, humans, decreased tryptic activity in duodenal aspirate of infected persons, comparison studies with normal controls, activity returned to normal after eradication of parasites

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Physiology, Host
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Physiology, Host
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Physiology, Host
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Eimeria nieschulzi, structural and functional changes in small intestine of infected rats (increase in intestinal mass; changes in mucosal structure especially increased crypt depth; decrease in peroxidase levels in lamina propria; reduction of brush border disaccharidase activity), intensity of all changes was directly dose-dependent

Physiology, Host
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Sarcocystis cruzi-infected calves (exper.), pathophysiological changes in urine and blood, several specific effects beyond those induced by nutritional stress

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Eimeria acervulina-infected chickens, reduced time of generation cycle of duodenal crypt cells as measured by $[^3H]$thymidine, increased population of dividing cells within each duodenal crypt; changes seem to result from induced changes in functional activity

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Physiology, Host
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Physiology, Host
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Physiology, Host
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Trichuris suis, pigs (exper.), effects of infection on weight gains, digestion and absorption of nutrients, and nitrogen balance

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Hirsch, R. P., 1979, Internat. J. Parasitol., v. 9 (5), 395-399
Histomonas meleagridis-infected turkeys, dynamics of protozoan population density, plasma glutamic oxalacetic transaminase, plasma bilirubin concentration, relationship to clinical symptoms

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Trichostrongylus colubriformis, guinea pigs, primary and secondary infections, skeletal muscle protein catabolism, comparison with uninfected animals fed quantitatively reduced rations, catabolism which was depressed in all 3 groups was directly related to fall in food consumption

Physiology, Host
Kechik, I. T.; and Sykes, A. H., 1979, Brit. J. Nutrition, v. 42 (1), 97-103
Eimeria acervulina, chicks (exper.), stress of intestinal infection results in depletion of ascorbic acid in blood plasma and tissues, addition of dietary ascorbic acid prevents depletion

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Khovanskikh, A. E.; Krylov, M. V.; and Ludinova, I. C., 1974, Parazitologiia, Leningrad, v. 8 (2), 164-169
Eimeria tenella, chickens (exper.), absorption of iron in small intestine, concentration of iron in tissues and organs

Physiology, Host
Langer, B.; et al., 1979, AMB, Rev. Ass. Med. Brasil., v. 22 (12), 449-453
[Schistosoma] mansoni, human hepato-splenic form, absorption of fibrinogen does not differ from that of normal persons

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Fasciola hepatica, exper. infection in rabbits, sheep, and cattle, variations in blood parameters that reflect alterations in liver function compared with normal values in order to establish standards for studying toxicity of flukicides

Physiology, Host
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Haemonchus contortus chemically terminated or concurrent with Nematodirus battus in lambs lowered reproductive capacity and inhibited development of N. battus, results consistent with density-dependent physico-pharmacological mechanism of population control involving changes in host alimentary physiology (abomasal pH and Na^+ concentration)

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Moniliformis dubius, net fluxes of electrolytes in infected rat intestine

Physiology, Host
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Hymenolepis diminuta-infected rats, vitamin malabsorption in intestine

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Trypanosoma brucei, changes in allantoic fluid composition during development of chick embryo that influence viability of parasite, increased phosphodiesterases main causal factor for disappearance of trypanosomes during embryonic development

Physiology, Host
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Nippostrongylus brasiliensis-infected rats, increased permeability of gut mucosa is related to worm burden and neither to worm expulsion nor intestinal mast cell response, host strain difference in both worm burden kinetics and kinetics of intestinal permeability

Physiology, Host
Norval, R. A. I., 1978, J. Parasitol., v. 64 (5), 910-917
Amblyomma hebraeum, repeated feeding on rabbits and sheep, tick yield, engorged weight, and engorgement period, no acquisition of resistance by host, seasonal fluctuations in engorged weights appear to be due to changes in host physiology as result of low temperature acclimatization, tick yield is determined by amount of host grooming, feeding periods of larvae and nymphs are dependent on host skin temperature

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Onabanjo, A. O., 1978, Agents and Actions, v. 8 (1-2), 139-140
Plasmodium knowlesi in Macaca mulatta, plasma kinin concentration, physiopathological effects of kinin extracts from blood of infected monkeys when injected intradermally into guinea pigs

Physiology, Host
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Physiology, Host
Pousada, J. M. D. C.; et al., 1978, Rev. Inst. Med. Trop. S. Paulo, v. 20 (2), 87-98
Schistosoma mansoni-infected mice, effects on growth, development and gonadal function

Physiology, Host
Pucci, H.; et al., 1978, AMB, Rev. Ass. Med. Brasil., v. 24 (10), 341-344
S[chistosoma] mansoni, humans, fat absorption, increased presence of eggs and granulomatous lesions in deep layers of small intestine, suggest possible selective malabsorption of certain nutrients

Physiology, Host
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filariasis patients with chyluria used to study origin of cholesterol transported in intestinal lymph

Physiology, Host
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Psoroptes cuniculi-infected (exper.) vs. uninfected Oryctolagus cuniculus 'famil.', measurements of skin temperature, rectal temperature, heart rate, and respiratory frequency under thermoneutral conditions

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Trichinella spiralis, dogs, changes in intestinal motility are associated temporally with symptoms related to gastrointestinal tract, magnitude of change is inversely related to resistant state of host

Physiology, Host
Shchukin, P. I.; et al., 1978, Izvest. Akad. Nauk SSSR, s. Biol. (2), 291-297
ascarid metabolites administered to rats, corticosterone contents of adrenal glands and blood plasma changed; statistically significant variations in plasma corticosterone in both experimental and control rats, indicating influence of genotype

Physiology, Host
Stewart, G. L.; et al., 1978, Exper. Parasitol., v. 45 (2), 287-297
Trichinella spiralis-infected mice, alterations of blood chemistry, relation to pathophysiologic lesions occurring in gut and muscles of trichinous host

Physiology, Host
Sykes, A. R.; Coop, R. L.; and Angus, K. W., 1979, Research Vet. Sc., v. 26 (3), 372-377
Trichostrongylus vitrinus, sheep (exper.), chronic infection, food intake and body weight gains, food digestibility, body composition, bone chemistry and histology, serum constituents

Physiology, Host
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Trichostrongylus colubriformis, guinea pigs with light to heavy infections, relationships between fall of food consumption and changes of body mass and skeletal muscle and liver protein synthesis

Physiology, Host
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trypanosome-infected fish, reduced serum alkaline phosphatase levels and lowered metabolic activity

Physiology, Host
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trypanosome-infected fishes, lowered serum cholesterol levels, possible causes

Physiology, Host
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Schistosoma mansoni, albino mice, intestinal parameters in assessing severity of disease, findings argue for small intestine as valuable organ for pathophysiological studies of acute infection

Physiology, Host
Tiboldi, T.; et al., 1979, Am. J. Trop. Med. and Hyg., v. 28 (5), 871-872
Schistosoma mansoni, mice, observations on ovarian functions during acute infections showed that estrus was present in some infected animals in spite of histopathological changes and decreased levels of progesterone in blood

Physiology, Host
Tiboldi, T.; et al., 1979, Am. J. Trop. Med. and Hyg., v. 28 (5), 873-875
Schistosoma mansoni, mice, morphology and function of adrenals in acute infection

Physiology, Host
Vengesa, P. B.; and Leese, H. J., 1979, Tr. Roy. Soc. Trop. Med. and Hyg., v. 73 (1), 55-60
Schistosoma mansoni-infected Mus musculus, body weight, food intake, small intestinal weight, impaired transport of glucose, 3-0-methylglucose, sorbitol, and fluid, surface appearance of intestinal mucosa

Physiology, Host
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fish helminths, host specificity, body shape and orientation within host gut, habitat specificity and migrations within gut, host alimentary canal physiology

Physiology, Miscellaneous phyla
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Poecilobdella granulosa, decerebration leads to activation of gastric phosphatases and inhibition of intestinal phosphatases; correlation with metabolic metameric control

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Physiology, Nematoda
Abbas, M.; and Cain, G. D., 1979, Cell and Tissue Research, v. 200 (2), 273-284
Ascaris suum, in vitro activation and behavior of the ameboid sperm

Physiology, Nematoda
Batson, B. S., 1979, Internat. J. Parasitol., v. 9 (6), 495-503
Gastromermis boophthorae, body wall, ultrastructural changes during life cycle, alkaline phosphatase activity, relationship to transcuticular uptake of nutrients

Physiology, Nematoda
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Gastromermis boophthorae, trophosome, ultrastructure at selected points in life cycle, functional considerations

Physiology, Nematoda
Berdyeva, G. T.; and Shishova-Kasatochkina, O. A., 1974, Trudy Gel'mint. Lab., Akad. Nauk SSSR, v. 24, 19-24
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Physiology, Nematoda
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micromorphological structure and function of hypodermis of various groups of nematodes, functions include: support of somatic musculature and nerves, production of cuticle, storage place for nutrients (fats and glycogen), and barrier against harmful substances

Physiology, Nematoda
Bogoiavlenskii, Iu. K.; Ivanova; G. V.; and Spasskii, A. A., 1974, [Nervous system of parasitic nematodes.], 190 pp., illus..
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Physiology, Nematoda
Burghardt, R. C.; and Foor, W. E., 1978, J. Ultrastructure Research, v. 62 (2), 190-202
Ascaris suum, morphology of male gamete, membrane fusion events during spermiogenesis, functional aspects

Physiology, Nematoda
Byerly, L.; and Masuda, M. O., 1979, J. Physiol., v. 288, 263-284
Ascaris lumbricoides, voltage-clamp analysis of potassium current that produces negative-going action potential in pharyngeal muscle

Physiology, Nematoda
Chen, S. N.; and Howells, R. E., 1979, Exper. Parasitol., v. 47 (2), 209-221
Brugia pahangi, uptake and incorporation of adenosine, no evidence of uptake or incorporation of thymidine

Physiology, Nematoda
Chen, S. N.; and Howells, R. E., 1979, Parasitology, v. 78 (3), 343-354
Brugia pahangi, infective larvae, juveniles, adults, uptake in vitro of dyes, monosaccharides, and amino acids, no evidence for oral uptake, transcuticular route of uptake may be employed

Physiology, Nematoda
Croll, N. A.; and Wright, K. A., 1976, Canad. J. Zool., v. 54 (9), 1466-1480
Nippostrongylus brasiliensis, Nematospiroides dubius, copulatory bursa, fine-structural studies, general musculature and sensory components, physiology of bursal movements during copulation, and observations on control mechanisms

Physiology, Nematoda
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Physiology, Nematoda
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Physiology, Nematoda
Driuchenko, E. A.; and Berdyeva, G. T., 1974, Parazitologiia, Leningrad, v. 8 (3), 208-211
Ascaris suum, Ascaridia galli, amino acid uptake

Physiology, Nematoda
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Ascaris suum, bushy cells, ultrastructure and secretory function, electron microscopy

Physiology, Nematoda
Ishikawa, M.; and Yamada, K., 1977, Kiseichugaku Zasshi (Japan. J. Parasitol.), v. 26 (2), 91-97
Ascaris suum, epithelial cells lining esophagus-foregut connection, pronounced mitochondrial response to carbon dioxide, possible cytophysiological function as cells of anaerobic respiration

Physiology, Nematoda
Pavlov, A. V.; and Koshkina, L. A., 1973, Trudy Gel'mint. Lab., Akad. Nauk SSSR, v. 23, 119-121
Ascaris suum, role of nervous system in regulating cuticular permeability

Physiology, Nematoda
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Physiology, Nematoda
Rahman, S. A.; and Waddell, A. H., 1979, Current Sc., Bangalore, v. 48 (7), 322-324 [Letter]
Ancylostoma caninum, Strongylus spp., methods and modified apparatus for studying in vitro feeding behavior and pharyngeal activity

Physiology, Nematoda
Rao, K. N., 1978, Comp. Physiol. and Ecol., v. 3 (4), 256-257
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Plasma proteins. See Proteins.

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helminth fauna of sheep, slaughterhouse survey, simplified method of necropsy employed for collecting gastro-intestinal helminths, seasonal distribution data for Haemonchus, Teladorsagia, and Trichostrongylus: Poland
(Dicrocoelium dendriticum; Fasciola hepatica; Paramphistomatidae; Moniezia benedeni; M. expansa; Taenia hydatigena; Strongyloides papillosus; Chabertia ovina; Bunostomum trigonocephalum; Oesophagostomum venulosum; Trichostrongylus axei; T. capricola; T. colubriformis; T. vitrinus; Ostertagia ostertagi; Teladorsagia circumcincta; T. pinata; T. trifurcata; Cooperia curticei; C. mcmasteri; C. oncophora; Haemonchus contortus; Nematodirus abnormalis; N. filicollis; N. helvetianus; N. spathiger; Skrjabinema ovis; Trichocephalus ovis; T. skrjabini; Capillaria bilobata; C. bovis)

Poland
Pucilowska, A.; and Borowik, M. M., 1974, Acta Parasitol. Polon., v. 22 (35-44), 447-450
helminths, sheep, postmortem examination: State Farm Gold, Province Poznan, Poland
(Fasciola hepatica; Taenia hydatigena larvae; Oesophagostomum venulosum; Trichostrongylus colubriformis; T. vitrinus; Teladorsagia circumcincta; Teladorsagia trifurcata; Haemonchus contortus; Cooperia curticei; C. oncophora; Trichocephalus ovis; Capillaria bovis)

Poland
Rokicki, J., 1975, Acta Parasitol. Polon., v. 23 (1-11), 37-84
helminth fauna of fishes: Gdansk Bay (Baltic Sea)

Poland
Wegner, Z., 1972, Klucze Oznacz. Owad. Polski (73), Sect. 16, 90 pp.
Anoplura, morphology, classification, epidemiology, collection, preservation, keys, hosts: Poland

Poland
Zlotorzycka, J., 1972, Klucze Oznacz. Owad. Polski (75), Sect. 15, 57 pp.
Mallophaga, morphology, classification, rearing, control, collection, preservation, keys, hosts: Poland

Poland
Zlotorzycka, J., 1972, Klucze Oznacz. Owad. Polski (74), Sect. 15, 48 pp.
Goniodoidea and Trichodectoidea, keys to subfamilies, genera, and species, systematics, hosts: Poland

Poland
Zwierz, C.; et al., 1975, Ann. Soc. Belge Med. Trop., v. 55 (5), 403-413
amoebiasis and other human intestinal parasites, persons returning from tropical countries, laboratory diagnostic problems, test recommendations: Poland
(Entamoeba histolytica; E. hartmanni; E. coli; Dientamobea fragilis; Iodamoeba buetschlii; Endolimax nana; Lamblia intestinalis; autres flagelles; Balantidium coli; Enterobius vermicularis; Ascaris lumbricoides; Trichuris trichiura; Strongyloides stercoralis; Ankylostoma sp.; Taenia saginata; Taenia solium (cysticer); Hymenolepis nana; Fasciolopsis buski; Paragonimus westermani)

Polymorphism. [See also Dimorphism; Morphology; Variation]

Polymorphism
Bafort, J., 1970, Ann. Soc. Belges Med. Trop. Parasitol., v. 50 (2), 247-262
Plasmodium berghei berghei, differences between various isolates, assumed to be pleomorphic species, characteristics compared with P.b. killicki and P.b. yoelii

Polymorphism
Barry, J. D.; Le Ray, D.; and Herbert, W. J., 1979, J. Comp. Path., v. 89 (4), 465-470
Trypanosoma brucei, white mice, dissociation of virulence and variable antigen type in relation to pleomorphism

Polymorphism
da Costa, S. C. G.; and da Silva, A. M., 1969, v. 12 (5-6), 245-246
Trypanosoma rotatorium, polymorphism, cytological aspects

Polymorphism
Daskalov, P., 1976, Khelmintologiia, Sofiia, v. 2, 50-60
Haemonchus contortus, genetic analysis through direct generation of different morphological types of females (smooth, knobbed, and flapped) fertilized under conditions of panmixia

Polymorphism
Gusev, A. V.; and Kulemina, I. V., 1971, Parazitologiia, Leningrad, v. 5 (4), 320-329
monogeneans of fish (primarily Dactylogyrus), variation in size of body and attachment organs, of localization on host, and of developmental cycle with respect to host age and size, taxonomic implications

Polymorphism
Pilley, B. M., 1976, J. Invert. Path., v. 28 (2), 177-183
Vairimorpha necatrix [n. comb.] in Spodoptera exempta, pathogenicity (occurrence of bacteriosis and cytoplasmic polyhedrosis virus), life cycle (disporoblastic life cycle at 25°C and both disporoblastic and octosporoblastic life cycle at 20°C), implications of polymorphism in relation to classification of Microsporida

Polymorphism
Poinar, G. O., jr., 1978, Nematologica, v. 24 (1), 105-114
Neoaplectana glaseri, emended description, generation polymorphism (larger first generation, smaller second generation); symbiotic bacterium in nematode released into insect haemocoel, probably aids in nematode nutrition and development; rediscovery of xenic population indicates that nematode species is native to North America not introduced with Japanese beetle; possible use for pest control renewed

Polymorphism
Sood, M. L.; and Kaur, C., 1976, Riv. Parassitol., Roma, v. 37 (1), 13-33
Haemonchus contortus utkalensis in goats, vulvar configurations, 17 variants identified among 3 phenotypes, seasonal occurrence in relation to temperature and humidity, order of dominance is knobbed > linguiform > smooth except in July when it is knobbed > smooth > linguiform: Ludhiana, India

Polymorphism
Vickerman, K., 1977, Protozoology, v. 3, 57-69
Trypanosoma evansi, SAK strain, 4^{1}-6-diamidino-2-phenylindole (DAPI) staining of kinetoplast, dyskinetoplasty mutation, pleomorphism, comparison with other flagellates

Polymorphism
Waller, P. J.; and Thomas, R. J., 1978, Internat. J. Parasitol., v. 8 (5), 365-370
Ostertagia circumcincta in tracer lambs (susceptible) vs. continuously grazed lambs (potentially resistant) over course of seasonal exposure to natural infection, worm burdens, % larval inhibition, parasite sex ratio, vulval flap pattern, worm size, results indicate importance of host-induced effects on morphological development

Polysaccharides. See Carbohydrates.

Populations. See Ecology, Populations.

Precipitin reactions. See Immunity, Precipitation.

Pregnancy. See Reproduction.

Premunition. See Immunity, Premunition.

Prenatal infection
Abdel Hamid, Y. M., 1971, Vet. Med. J., Giza, v. 19 (19), 391-392
Neoascaris vitulorum adults, 3-week old buffalo calf (faeces, rectum), maturity of worms indicated intrauterine transmission, treatment with piperazine phosphate, case report: Assiut University

Prenatal infection
Aho, K.; Jaernefelt, M.; and Rapola, J., 1971, Scand. J. Infect. Dis., v. 3 (1), 55-57
toxoplasmosis, survey of mothers with stillborn infants using the complement fixation test and dye test, high antibody titers and autopsy findings substantiating infection were found in only one case: Helsinki, Finland

Prenatal infection
Assini, M. T. T.; Otero, G. O.; and Bertona, C., 1970, Rev. Brasil. Pesqui. Med. e Biol., v. 3 (3-4), 45-49
Chagas disease, woman, pregnancy diagnosed shortly after parasitemia discovered, spontaneous abortion after 5 months of pregnancy, evidence of transplacental transmission to fetus, case report

Prenatal infection
Azimov, D. A.; and Kulmamatov, E. N., 1978, Dokl. Akad. Nauk UzSSR (5), 67-68
Protostrongylus spp., Cystocaulus ocreatus, sheep, transplacental infection of foetus

Prenatal infection
Beckius, C., 1974, Bull. Soc. Sc. Med. Gr.-Duche Luxembourg, v. 111 (2), 137-156
fetal risk in maternal infections, includes information on toxoplasmosis, trichomoniasis, malaria

Prenatal infection
Bittencourt, A. L.; et al., 1972, Rev. Inst. Med. Trop. S. Paulo, v. 14 (2), 131-134
Chagas disease, incidence of congenital transmission in premature infants: Salvador, Bahia

Prenatal infection
Bittencourt, A. L.; et al., 1974, Rev. Inst. Med. Trop. S. Paulo, v. 16 (4), 197-199
human Chagas disease, 400 term pregnancies, incidence in mothers and infants, no congenital transmission

Prenatal infection
Bittencourt, A. L.; and Barbosa, H. S., 1972, Rev. Inst. Med. Trop. S. Paulo, v. 14 (4), 257-259
Chagas disease, human, survey of aborted fetal remains for incidence of congenital transmission: Brazil

Prenatal infection
Bittencourt, A. L.; and Barbosa, H. S., 1972, Rev. Inst. Med. Trop. S. Paulo, v. 14 (4), 260-263
Chagas disease, congenital, diagnosis through study of fetal remains

Prenatal infection
Bittencourt, A. L.; Oliveira, V. S.; and Andrade, C. C. Q., 1972, Rev. Inst. Med. Trop. S. Paulo, v. 14 (2), 106-108
Schistosoma mansoni, pregnant rabbits, no evidence of transmission to offspring; schistosomules infrequently may reach placenta

Prenatal infection
Bittencourt, A. L.; Sadigursky, M.; and Barbosa, H. S., 1975, Rev. Inst. Med. Trop. S. Paulo, v. 17 (3), 146-159
Trypanosoma cruzi, congenital infections, autopsy pathology of abortus, stillborn, newborn, and infants

Prenatal infection
Burke, J. A. M. E.; Bengosi, K.; and Diantete, N. L., 1974, Ann. Soc. Belge Med. Trop., v. 54 (1), 1-4
T[rypanosoma] gambiense, congenital infection diagnosed 48 hours after infant's birth: Republic of Zaire

Prenatal infection
Camargo, M. E.; et al., 1978, Rev. Inst. Med. Trop. S. Paulo, v. 20 (3), 152-160
Toxoplasma gondii, human congenital, significance of different diagnostic tests in screening for inapparent infections, serologic tests and serologic patterns in mothers and children studied

Prenatal infection
Canese, A.; Galeano, A.; and de De Vargas, H., 1974, Rev. Paraguaya Microbiol., v. 9 (1), 34
human toxoplasmosis, evidence of transplacental transmission, both mother and infant had positive reactions to indirect immunofluorescence test immediately after child's birth

Prenatal infection
de Castilho, E. A., 1976, Rev. Inst. Med. Trop. S. Paulo, v. 18 (3), 202-205
Toxoplasma gondii, human, estimation of incidence of congenital infections during 1970: Sao Paulo City, Brazil

Prenatal infection
Correa, W. M.; Correa, C. N. M.; and Fanton, E. B., 1978, Arq. Escola Vet. Univ. Fed. Minas Gerais, v. 30 (3), 303-305
fetal Babesia equi as cause of abortion: Brazil, imported from Florida, USA

Prenatal infection
Couvreur, J.; and Desmonts, G., 1977, Rev. Prat., Paris, v. 27 (11), 647-648, 653-658
Toxoplasma gondii, trypanosomiasis, malaria, leishmaniasis, parasitic pathology of foetus, review

Prenatal infection
Daveloose, P., 1972, Ann. Soc. Belge Med. Trop., v. 52 (1), 63 [Letter]
T[rypanosoma] gambiense, fatal congenital infection in 12-day-old infant: Ngene, Kasongo, Republic du Zaire

Prenatal infection
Delgado, M. A.; and Santos-Buch, C. A., 1978, Am. J. Trop. Med. and Hyg., v. 27 (6), 1108-1115
Trypanosoma cruzi, mice, transplacental transmission is dependent upon pathogenicity of parasite strain and phagocytic activity of placenta

Prenatal infection
Di Bartolo, I., 1977, Acta Bioquim. Clin. Latinoam., v. 11 (4), 301-312
prenatal toxoplasmosis, human, clinical, diagnostic, and therapeutic aspects, symposium presentation

Prenatal infection
Finkova, A.; et al., 1977, Sborn. Ved. Praci Lek. Fak. Karlovy Univ. Hradci Kralove, Suppl., v. 20 (4), 429-434
toxoplasmosis, acquired infection in pregnant women, healthy babies born to 2 women in whom disease was detected early in pregnancy and treated, woman with inapparent infection gave birth to infected fatally ill infant

Prenatal infection
Gates, C. C.; and Samuel, W. M., 1977, J. Wildlife Dis., v. 13 (3), 248-250
Protostrongylus spp., prenatal infection in 4 fetuses of Ovis c. canadensis: Alberta, Canada

Prenatal infection
Gaur, S. N. S.; Tewari, H. C.; and Prakash, O., 1977, Indian J. Animal Research, v. 11 (2), 109
hydatid cyst, occurrence in a suckling calf (liver), reasonable to assume infection is of prenatal origin

Prenatal infection
Gelle, P.; et al., 1975, Rev. Franc. Gynec. et Obst., v. 70 (5), 329-333
toxoplasmosis, survey of pregnant women before and after delivery, non-immune women had more frequent abortions, of women who acquired infection during pregnancy those treated with rovamycine had fewer stillborn infants and infants free of infection than those who received no treatment

Prenatal infection
Gillet, J.; and Herman, F., 1976, Ann. Soc. Belge Med. Trop., v. 56 (3), 143-150
Trypanosoma equiperdum, absence of transplacental passage in mice, comparison of similar results with congenital malaria in mice

Prenatal infection
Gnehm, H. E.; and Waldvogel, F. A., 1975, Schweiz. Med. Wchnschr., v. 105 (25), 815-819
Plasmodium falciparum, Nigerian woman, severe malarial attack within hours of giving birth to normal twins, at age 2 months one infant developed non-febrile hemolytic anemia resulting from prenatal parasitic infection, other infant possibly protected by partial glucose-6-phosphate dehydrogenase deficiency: Switzerland

Prenatal infection
Hirt, J., 1977, Acta Bioquim. Clin. Latinoam., v. 11 (4), 313-323
toxoplasmosis and pregnancy, symposium presentation

Prenatal infection
Hoff, R.; et al., 1978, Tr. Roy. Soc. Trop. Med. and Hyg., v. 72 (3), 247-250
Trypanosoma cruzi, human, congenital Chagas' disease, clinical, pathological, and epidemiological studies on pair of twins, immunofluorescence tests on cord sera were negative for IgM antibodies

Prenatal infection
Jones, M. A.; and Hunter, D. H., 1979, Vet. Rec., v. 104 (23), 529
Toxoplasma gondii, newborn piglet, probable congenital infection although no significant antibody response in dam; diagnosis in piglet by mouse inoculations: United Kingdom

Prenatal infection
Khodr, G.; and Matossian, R., 1978, Obst. and Gynec., v. 51 (1), Suppl., 74s-77s
Toxoplasma gondii, stillborn infant, congenital infection with resulting multiple deformities and hydrops fetales, case report, demonstration of toxoplasmic antigenic material in fetal and placental tissue using direct immunofluorescence

Prenatal infection
Kimmig, P., 1979, Ztschr. Parasitenk., v. 58 (2), 181-186
Brugia pahangi, cats, transplacental transmission of microfilariae

Prenatal infection
Lopes, E. R.; et al., 1977, Rev. Inst. Med. Trop. S. Paulo, v. 19 (3), 165-169
Trypanosoma cruzi, human, prenatal infection which resulted in miscarriage, clinical report: Triangulo Mineiro, Minas Gerais, Brasil

Prenatal infection
Loria Cortes, R.; and Saborio Ruiz, M., 1974, Rev. Columb. Pediat. y Puericult., v. 28 (6), 409-413
Necator americanus, prenatal infection in 1 month-old infant presenting with intestinal bleeding, successful thiabendazole therapy: Costa Rica

Prenatal infection
Mayer, H. F.; Marder, G.; and Peretti, H. A., 1979, Rev. Med. Vet., Buenos Aires, v. 60 (1), 12-14
Toxoplasma gondii, albino rats, transplacental infection only in offspring of female rats infected during pregnancy, no infection in offspring of female rats infected before pregnancy, offspring protected by mother's infection prior to pregnancy

Prenatal infection
Mihai, M.; et al., 1978, Bacteriol., Virusol., Parazitol., Epidemiol., Bucuresti, v. 23 (3), 147-152
Toxoplasma gondii, human, immune response, risk of congenital infection during pregnancy

Prenatal infection
Mirck, M. H., 1977, Tijdschr. Diergeneesk., v. 102 (17), 1039-1043
Strongyloides westeri, equine, more common in unweaned than in weaned foals, not found in foals reared artificially (worm free), found in milk of mare, no evidence for intrauterine infection, transmammary infection possible

Prenatal infection
Monnier, J. C.; et al., 1975, Rev. Franc. Gynec. et Obst., v. 70 (5), 325-328
toxoplasmosis, survey of pregnant women using the complement fixation and immunofluorescence tests, those found to have evidence of infection were treated with spiramycin, all had normal deliveries and infants free of infection

Prenatal infection
Munday, B. L., 1978, Internat. J. Parasitol., v. 8 (4), 285-288
Toxoplasma gondii, calves (exper.), pregnant cows (exper.), antibody titres measured by indirect fluorescent antibody test and dye test, Toxoplasma reisolated from 3 of the 5 calves, no abortions in pregnant cows and no evidence of infection in their calves, concluded that cattle do not readily acquire persistent T. gondii infections

Prenatal infection
Munday, B. L.; and Mason, R. W., 1979, Austral. Vet. J., v. 55 (10), 485-487
Toxoplasma gondii, cause of perinatal death in goats: Tasmania, southern Australia

Prenatal infection
Nicholas, W. L.; and Stewart, A. C., 1979, Ann. Trop. Med. and Parasitol., v. 73 (1), 57-62
Toxocara canis, laboratory mouse, fenbendazole and oxfendazole killed larvae in brains and musculature, migratory larvae more susceptible, possible use in preventing pre-natal infection in dogs

Prenatal infection
Nordstoga, K.; et al., 1978, Acta Vet. Scand., v. 19 (1), 150-152
Nosema cuniculi, Alopex lagopus, clinical signs of nosematosis in litter after artificial insemination and intrauterine injection of Nosema spores, possibility of transmission from male during mating

Prenatal infection
Philocreon, G. R., 1976, Rev. Goiaña Med., v. 22 (3-4), 121-201
Toxoplasma gondii, clinical and serological survey of pregnant women, study of incidence, consequences of latent forms of disease, influential factors as age, race and origin, and relationships between toxoplasmosis and pathologic pregnancies: Goiania, Brasil

Prenatal infection
Pohl, R., 1977, Tierarztl. Umschau, v. 32 (12), 642-643
Toxoplasma-cysts, increased perinatal mortality in small flock of dairy sheep: Bodenseekreis

Prenatal infection
Santa-Alfonso, R.; Ceruzzi-Romero, O.; and Flachussis, A., 1975, Rev. Uruguaya Patol. Clin. y Microbiol., v. 13 (1), 40-55
acute congenital toxoplasmosis of generalized form diagnosed in infant presenting with severe hemorrhagic syndrome, intense jaundice, and spleno-hepatomegaly, clinical aspects, 10-month follow-up: Uruguay

Prenatal infection
Shackelford, G. D.; and Kirks, D. R., 1977, Radiology, v. 122 (3), 753-757
congenital toxoplasmosis in twin infants with secondary neonatal hepatic calcification, clinical case reports

Prenatal infection
Stern, G. A.; and Romano, P. E., 1978, Arch. Ophth., Chicago, v. 96 (4), 615-617
toxoplasmic retinochoroiditis of probable congenital origin reported in 2 siblings, clinical aspects

Prenatal infection
Stroczynska-Sikorska, M.; and Sikorski, R., 1979, Ginekol. Polska, v. 50 (12), 993-1002
toxoplasmosis, prophylactically treated-pregnant women, pre- and post-treatment evaluation by complement fixation, determination of pregnancy complications, premature, and stillborn infants: Poland

Prenatal infection
Sutton, R. J.; and Gemmell, M. A., 1978, Austral. Vet. J., v. 54 (12), 598 [Letter]
Taenia ovis, ewes which had not recently been exposed to T. ovis eggs, experimental infection one month before lambing, no organisms developed in any of their lambs

Prenatal infection
Swift, B. L.; Settlemire, J., jr.; and Thomas, G. M., 1978, Theriogenology, v. 10 (6), 481-485
Anaplasma marginale, pregnant heifers (exper.), oxytetracycline hydrochloride, did not abort and transplacental transmission did not occur

Prenatal infection
Tadros, W.; and Laarman, J. J., 1978, Ztschr. Parasitenk., v. 58 (1), 41-46
Frenkelia [sp.] in Clethrionomys glareolus (brain, spinal chord), apparent congenital transmission, epizootiological significance

Prenatal infection
Tafuri, W. L.; Lopes, E. R.; and Nunan, B., 1973, Rev. Inst. Med. Trop. S. Paulo, v. 15 (5), 322-330
Chagas disease, congenital case report, infant with cardiopathy and esophageal disperistalsis from birth: Belo Horizonte, Brazil

Prenatal infection
Teixeira Santos, N., 1974, Rev. Cien. Med., Univ. Lourenco Marques, s. B, v. 20, 93-133
human congenital malaria, extensive historical and clinical review, emphasis on possible mechanisms of placental transmission

Prenatal infection
Traub, N.; et al., 1978, East African Med. J., v. 55 (10), 477-481
Trypanosoma brucei rhodesiense, human congenital, fatal infection in mother, infant successfully treated with suramin and mel-B, immunoglobulin levels at diagnosis, during treatment, and post-treatment, case reports: Zambia

Prenatal infection
Vortel, V.; et al., 1973, Sborn. Ved. Praci Lek. Fak. Karlovy Univ. Hradci Kralove, Suppl., v. 16 (2), 155-158
Trichomonas vaginalis causing enterocolitis in 9-day-old infant, infection thought to have occurred per os during delivery

Prenatal infection
Waage, S., 1977, Norsk Vet.- Tidsskr., v. 89 (10), 637-641
helminths, domestic animals, prenatal and lactogenic infections, review

Prenatal infection
Werner, H.; et al., 1977, Zentralbl. Bakteriol., 1. Abt. Orig., Reihe A, v. 238 (1), 128-142
Toxoplasma gondii, placental transmission in immunised pregnant mice and rabbits, dependent on various factors (host species, state of immunity, Toxoplasma strain); roles of cellular immune defense discussed

Prenatal infection
Zemburowa, K,; Przybyłkiewicz, Z.; and Roczniak, M., 1978, Arch. Immunol. et Therap. Exper., v. 26 (1-6), 653-657
Toxoplasma gondii, rabbits, humoral and cellular immune response in different stages of pregnancy, no evidence that this immune response has any protective effect on foetus

Preservation. See Freezing; Technique, Specimen preparation and preservation.

Pressure, Atmospheric
Holwill, M. E. J.; and Wais, J., 1979, J. Exper. Biol., London, v. 82, 177-195
Crithidia oncopelti, motile response of flagellum to changes in temperature, pressure, and viscosity of environment, results provide information about mechanochemical cycle which bends flagellum

Professional diseases. See Occupational diseases.

Prostaglandins. [See also Biochemistry; Metabolism]

Prostaglandins
Dutoit, E.; et al., 1979, Ann. Parasitol., v. 54 (4), 465-474
Trichinella spiralis in CBA mice and Wistar rats, influence of prostaglandins and vasoactive amines on intestinal phase of experimental infection

Prostaglandins
Shemesh, M.; et al., 1979, Bull. Entom. Research, v. 69 (3), 381-385
Hyalomma anatolicum excavatum, synthesis and content of prostaglandins in salivary glands, reproductive organs, and egg-batches, higher in females than males

Proteins. [See also Amino acids; Biochemistry; Metabolism]

Proteins
Agosin, M.; and Naquira, C., 1978, Comp. Biochem. and Physiol., v. 60B (2), 183-187
Taenia crassiceps, mRNA isolated from parasite polysomes directs synthesis of proteins in cell-free heterologous systems which are precipitable by antisera against parasite proteins

Proteins
Berry, C. I.; and Dargie, J. D., 1978, Vet. Parasitol., v. 4 (4), 327-339
Fasciola hepatica, sheep (exper.), pathophysiology: influence of dietary protein and iron on erythrokinetics

Proteins
Bloch, K. J.; et al., 1979, Gastroenterology, v. 77 (5), 1039-1044
Nippostrongylus brasiliensis-infected rats, normal rats, or rats subjected to mild systemic anaphylaxis, intestinal uptake of protein antigen (bovine serum albumin)

Proteins
Bogitsh, B. J., 1978, Exper. Parasitol., v. 45 (2), 247-254
Schistosoma mansoni, uptake and fate of exogenous hemeproteins (horseradish peroxidase and hemoglobin) by schistosomules maintained in vitro

Proteins
Dimitrov, G.; Kuncheva, K.; and Georgiev, B., 1978, Vet. Med. Nauki, v. 15 (6), 92-100
Fasciola hepatica, sheep (exper.) on diets with 2 different levels of protein content, serum protein levels, numbers of worms established and reaching maturity

Proteins
Harley, J. P.; and Moore, G., 1974, Acta Parasitol. Polon., v. 22 (1-11), 25-27
Trichinella spiralis, Alcian blue histochemistry of cyst wall in mouse, consists of outer acid mucopolysaccharide layer bound to sulfated collagen

Proteins
Perez, H.; Malave, I.; and Arredondo, B., 1979, Clin. and Exper. Immunol., v. 38 (3), 453-460
Leishmania mexicana, course of infection in normally nourished vs. protein-deficient mice, possible interaction between malnutrition, impairment of immune response, and chronicity of cutaneous leishmaniasis

Proteins
Poelvoorde, J.; and Berghen, P., 1978, Vlaams Diergeneesk. Tijdschr., v. 47 (5), 373-387
Oesophagostomum dentatum, pigs (exper.) on low-protein diet, blood changes, weight differences

Proteins
Shishova-Kasatochkina, O. A.; and Leutskaia, Z. K., 1979, [Biochemical aspects of the interrelationships of helminths and their hosts. Metabolism of proteins, vitamins, and steroids in the process of parasitization], 279 pp., illus.

Proteins
Shishova, O. A.; and Mazhuga, N. A., 1971, Trudy Gel'mint. Lab., Akad. Nauk SSSR, v. 21, 151-157
Ascaris suum, adult, protein absorption through mouth only (serum protein, casein, gelatin); addition of intact protein to culture media unnecessary because there is no cuticular absorption and only limited intestinal absorption

Proteins
Shishova-Kasatochkina, O. A.; Mazhuga, N. A.; and Sokhina, L. I., 1973, Trudy Gel'mint. Lab., Akad. Nauk SSSR, v. 23, 211-217
Ascaridia galli, in vitro uptake of proteins of differing structure and biological importance; absorption through intestine rather than through cuticle

Proteins
de Souza, W.; et al., 1978, Exper. Parasitol., v. 45 (1), 101-115
Trypanosoma cruzi incorporates exogenous proteins by pinocytosis, pinocytic vesicles can fuse forming multivesicular structures, cell membrane and membranes of pinocytic vesicles and large multivesicular structures contain carbohydrates, many intramembranous particles in cell membrane but few or none in membranes of vesicles and multivesicular structures

Proteins, Host
Ali, S. A. K.; Jabir, M. H.; and Singh, (Kr.) S., 1979, Indian J. Animal Sc., v. 49 (5), 373-376
Dictyocaulus filaria, lambs given irradiated vaccine or non-irradiated larvae, serum protein changes

Proteins, Host
Autuori, M. J., 1979, Experientia, v. 35 (12), 1579-1580
Plasmodium berghei-infected mice, relationship between host erythrocyte mean cytoplasmic protein concentration, reticulocyte response, and percent parasitemia

Proteins, Host
Aver'ianov, A. V.; et al., 1978, Molek. Biol., v. 12 (3), 646-653
Eimeria tenella-infected chicks, relationship between RNA and protein biosynthesis in liver

Proteins, Host
Beier, T. V.; and Sidorenko, N. V., 1972, Parazitologiia, Leningrad, v. 6 (4), 385-390
haemogregarine-infected erythrocytes of Lacerta armeniaca and L. saxicola nairensis, changes in hemoglobin and total protein content

Proteins, Host
Bezubik, B.; Wedrychowicz, H.; and Sinski, E., 1977, Acta Parasitol. Polon., v. 25 (1-10), 79-90
Ostertagia circumcincta, sheep infected with larvae stored at low temperature, pathophysiological changes (body weight, blood picture, serum proteins), effectiveness of infection and percent of larvae inhibited in development

Proteins, Host
Bhopale, M. K.; and Johri, G. N., 1978, J. Hyg., Epidemiol., Microbiol. and Immunol., v. 22 (3), 319-327
Ancylostoma canimum larvae in varying doses, albino mice, serum protein pattern, electrophoretic analysis

Proteins, Host
Bhopale, M. K.; and Johri, G. N., 1979, J. Hyg., Epidemiol., Microbiol., and Immunol., v. 23 (1), 95-103
Ancylostoma caninum, mice (exper.), single and repeated exposures, serum protein patterns

Proteins, Host
Blom, M.; Prag, J. B.; and Nørredam, K., 1979, Am. J. Trop. Med. and Hyg., v. 28 (1), 76-83
intestinal parasites, children from Vietnam-Cambodia at and after arrival in Denmark, α_1-acid glycoprotein, α_1-antitrypsin, and ceruloplasmin concentrations, eosinophilia, sedimentation rates, effect of T.A.B.-cholera vaccination

Proteins, Host
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Radiation
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    Plistophora schubergi, Nosema agrotidis, effect of ultraviolet radiation on viability of spores

Radiation
  Onyango-Abuje, J. A., 1978, Bull. Animal Health and Prod. Africa, v. 26 (1), 17-22
    Taenia saginata, development of gamma-irradiated oncospheres in calves

Radiation
  Oothuman, P.; et al., 1978, J. Helminth., v. 52 (2), 121-126
    Brugia pahangi, effects of cobalt 60 irradiation on development in cat, migration of irradiated parasites within lymphatic system

Radiation
  Pautrizel, R.; et al., 1977, Ann. Soc. Belge Med. Trop., v. 57 (4-5), 501-524
    Trypanosoma equiperdum, laboratory animals, treatment with irradiation (association of electromagnetic waves and magnetic field), immune response

Radiation
  Pautrizel, R.; et al., 1978, Compt. Rend. Acad. Sc., Paris, v. 286, s. D, Sc. Nat. (20), 1487-1492
    Trypanosoma equiperdum, immunodepressed mice cannot be cured by treatment with an association of electromagnetic waves and a magnetic field

Radiation
  Pautrizel, R.; et al., 1978, Compt. Rend. Acad. Sc., Paris, v. 287, s. D, Sc. Nat. (5), 575-578
    Trypanosoma equiperdum, mice, influence of host age on effectiveness of stimulation of its defenses by electromagnetic radiation, mature immune system is required

Radiation
  Premvati, G.; and Chopra, A. K., 1976, Kiseichugaku Zasshi (Japan. J. Parasitol.), v. 25 (5), 415-418
    Ascaridia galli, effect of ultraviolet rays on egg development

Radiation
  Ruff, M. D.; Hansen, M. F.; and Ostlind, D. A., 1965, Tr. Kansas Acad. Sc., v. 68 (4), 498-507
    Ascaridia galli, effect of X-irradiation on development, varied dose and time of radiation

Radiation
  Salata, E.; Wiendl, F. M.; and Correa, F. M. A., 1973, Rev. Inst. Med. Trop. S. Paulo, v. 15 (2), 66-71
    Trypanosoma cruzi, effect of radiation on morphology, motility, reproduction, virulence and immunization potential

Radiation
  Shikhobalova, N. P.; and Korsak-Paruzhinskaia, L. S., 1974, Trudy Gel'mint. Lab., Akad. Nauk SSSR, v. 24, 240-250
    Heterakis gallinarum, Ganguleterakis spumosa, ionizing radiation of eggs, effect on embryonic and postembryonic development and radiosensitivity through four generations

Radiation
Shikhobalova, N. P.; and Paruzhinskaia, L. S., 1971, Trudy Gel'mint. Lab., Akad. Nauk SSSR, v. 21, 128-132
Heterakis gallinarum, Ganguleterakis spumosa, sensitivity of eggs to Roentgen rays

Radiation
Shikhobalova, N. P.; and Paruzhinskaia-Korsak, L. S., 1973, Trudy Gel'mint. Lab., Akad. Nauk SSSR, v. 23, 196-203
Syngamus trachea, ionizing radiation of eggs of four successive generations, effect on development, reduced reproductive capacity

Radiation
Siddiqui, M. A., 1979, Ann. Trop. Med. and Parasitol., v. 73 (4), 377-386
Litomosoides carinii, quantitative transmission to un-irradiated and irradiated golden hamsters and white mice, both species highly susceptible but mice were poor hosts, some age resistance or young susceptibility in hamsters, duration and intensity of microfilaraemia higher in hamsters

Radiation
Skromne-Kadlubik, G.; Medina, J.; and Rauda, L., 1976, SPM Salud Pub. Mexico, v. 18 (2), 395-398
Entamoeba histolytica, human, comparative survey, conventional medications vs. radiation therapy

Radiation
Slocombe, J. O. D.; et al., 1978, Proc. 23. Ann. Conv. Am. Ass. Equine Practitioners (Vancouver, British Columbia, Dec. 3-7, 1977), 305-311
Strongylus vulgaris, ponies (exper.), demonstration of early vascular changes by arteriography; attempt to implant a catheter permanently in femoral artery to obviate repetition of surgery in production of a series of radiographs

Radiation
Stankiewicz, M.; Sinski, E.; and Bezubik, B., 1970, Acta Parasitol. Polon., v. 18 (27-41), 453-462
Strongyloides papillosus, effect of various doses of ultraviolet radiation on infective larvae

Radiation
Sumnaliev, P.; and Vasilev, I., 1976, Khelmintologiia, Sofiia, v. 1, 88-98
Paramphistomum microbothrium, effect of temperature, ultraviolet rays, and X-ray on development of eggs; miracidia hatch in dark but light has strong stimulating effect

Radiation
Tewari, H. C.; and Ramachandran, P. K., 1979, J. Helminth., v. 53 (2), 117-120
Schistosoma incognitum, histopathology following exposure to normal vs. irradiated cercariae

Radiation
Thrall, D. E.; et al., 1979, Am. J. Vet. Research, v. 40 (10), 1426-1432
Dirofilaria immitis, dogs (exper.), scintigraphic evaluation of pulmonary perfusion

Radiation
Tromba, F. G., 1978, J. Parasitol., v. 64 (2), 245-252
Ascaris suum, Stephanurus dentatus, effect of ultraviolet radiation on infective stages, comparison with previously published results for other parasitic nematodes, ultraviolet susceptibility related to life cycle (those with need for sheltering of infective stages vs. preparasitic stages exposed to relatively large amounts of sunlight)

Radiation
Tumka, A. F., 1972, Parazitologiia, Leningrad, v. 6 (3), 222-228
Lamblia muris, Trichomonas muris, Octomitus muris, localization in white mice exposed to x-irradiation

Radiation
Vinayak, V. K.; Chitkara, N. L.; and Chhuttani, P. N., 1979, Tr. Roy. Soc. Trop. Med. and Hyg., v. 73 (3), 266-268
Entamoeba histolytica-infected rats pretreated with corticosteroids, irradiation or both, exacerbation of amoebic pathology, corticosteroid therapy possibly aggravates otherwise sub-clinical infection

Radiation
Zharikov, I. S.; and Antonenko, A. E., 1978, Veterinariia, Moskva (12), 63-64
helminth eggs, coccidia oocysts, disinfection of manure with penetrating electron radiation, dosages necessary

Radiation, X-ray diagnosis. See Diagnosis.

Radiation-attenuated vaccines. See Immunization.

Radioactivity. See Radiation; Radioisotopes.

Radioautography. See Autoradiography.

Radioimmunoassay. See Immunity, Radioimmunoassay.

Radioisotopes. [See also Autoradiography; Radiation; Tagging]

Radioisotopes
Butler, J. F.; et al., 1977, J. Med. Entom., v. 13 (4-5), 567-571
Haematobia irritans and Stomoxys calcitrans fed ^{32}P-labelled food source to find evidence of mechanisms for transfer of pathogenic agents via contamination of mouthparts, regurgitation, salivation, or defecation

Radioisotopes
Christensen, N. O., 1978, Ztschr. Parasitenk., v. 57 (2), 155-162
Diplostomum spathaceum, Hypoderaeum conoideum, Plagiorchiidae sp., Notocotylus attenuatus, labelling cercariae with radioselenium by incubating host snails with radioisotope, no negative effects on cercariae, possible applications of technique; labelled H. conoideum for radioisotope assay of host-finding by measuring snail-bound radioactivity in Helisoma duryi after exposure to cercariae

Radioisotopes
Hayunga, E. G.; et al., 1979, J. Parasitol., v. 65 (4), 488-496
Schistosoma mansoni, evaluation of techniques for radioisotope labeling of surface proteins from adult worms, partial characterization of surface antigens

Radioisotopes
Hayunga, E. G.; et al., 1979, J. Parasitol., v. 65 (4), 497-506
Schistosoma mansoni, antigenicity of radiolabeled surface proteins from adult worms, immunoprecipitation with infected serum, cross-reaction with anti-Schistosoma haematobium and anti-Schistosoma japonicum serum

Radioisotopes
Holmes, P. H.; et al., 1979, Immunology, v. 36 (3), 415-420
Trypanosoma brucei, method of labelling with [^{75}Se]-methionine, suitability for in vivo studies of immunological clearance, liver found to be principal site of phagocytosis in immune mice; method equally applicable to T. congolense

Radioisotopes
Irvin, A. D.; Brocklesby, D. W.; and Purnell, R. E., 1979, Vet. Parasitol., v. 5 (1), 17-28
Babesia, Theileria, radiation and isotopic techniques in study and control of piroplasms of cattle, review

Radioisotopes
van der Kaay, H. J.; Noordink, J. P. W.; and Boorsma, L., 1977, Acta Leidensia, v. 45, 7-12
Plasmodium berghei, methods for obtaining radioactive labelled parasites during sporogony in Anopheles atroparvus (exper.), technique for study of relapse phenomena

Radioisotopes
Kassim, O. O.; and Richards, C. S., 1979, J. Invert. Path., v. 33 (3), 385-386
Schistosoma mansoni, radioisotope labeling for differentiating between strains in individual Biomphalaria glabrata snails

Radioisotopes
Lur'e, A. A., 1976, Med. Parazitol. i Parazitar. Bolezni, v. 45 (1), 85-92
radioisotope use in medical parasitology, literature review

Radioisotopes
Lur'e, A. A.; Naumov, R. L.; and Arumova, E. A., 1971, Parazitologiia, Leningrad, v. 5 (3), 281-288
Ixodes persulcatus, radioisotope tagging, comparison of two techniques

Radioisotopes
McLeod, R.; and Remington, J. S., 1979, J. Immunol. Methods, v. 27 (1), 19-29
Toxoplasma gondii, new method to evaluate capacity of monocytes and macrophages to inhibit multiplication of or kill an intracellular pathogen, involves measurement of incorporation of [^{3}H]uracil into parasite nucleic acids, adaptation of method to microsystem

Radioisotopes
Nollen, P. M.; and Pyne, J. L., 1979, J. Parasitol., v. 65 (1), 35-37
Megalodiscus temperatus adults in Rana pipiens, timing stages of spermatogenesis, inseminative behavior, techniques used include labelling of spermatogonial cells with ^{3}H-adenosine, method for transplanting worms to frogs, and autoradiography

Radioisotopes
Ørnbjerg Christensen, N., 1977, Ztschr. Parasitenk., v. 54 (3), 275-288
Schistosoma mansoni, S. intercalatum, cercariae, technique for in vivo labelling with radioselenium, possible applications in cercarial ecology studies

Radioisotopes
Reinwald, E.; Risse, H. J.; and Saelker, R., 1978, Hoppe-Seyler's Ztschr. Physiol. Chem., v. 359 (8), 939-944
Trypanosoma congolense, radio-labelled diazoniobenzenesulfonate as marker for cell surface proteins, results indicate that surface coat is homogeneous layer composed of molecules of one type of protein

Radioisotopes
Reynolds, G. T., 1968, Rev. Scient. Instrum., v. 39 (3), 298-302
Schistosoma mansoni, scintillomicroscope for radioactive tracer detection compared with conventional autoradiographic techniques, application of scintillomicroscope to ^{14}C detection in parasites

Radioisotopes
Rifkin, M. R., 1978, Exper. Parasitol., v. 46 (2), 207-212
Trypanosoma brucei, new radioisotope assay for quantitating cell lysis, used to quantiate trypanocidal activity in normal human serum

Radioisotopes
Sanderson, C. J.; Bunn Moreno, M. M.; and Lopez, A. F., 1978, Parasitology, v. 76 (3), 299-307
Trypanosoma cruzi, cytotoxicity of normal rat spleen cells to antibody-coated epimastigotes studied by assaying release of tritium-labelled RNA, DNA, and protein

Radioisotopes
Sonenshine, D. E.; et al., 1976, J. Med. Entom., v. 12 (6), 651-656
Dermacentor andersoni, population dynamics and host utilization of immature stages, abundance measured by release and recapture of radioisotope-tagged ticks: western Montana

Radioisotopes
Watson, L. P.; and Lee, C. M., 1979, Ztschr. Parasitenk., v. 59 (3), 299-301
Trypanosoma musculi, absense of ^{51}Cr binding to bloodstream trypomastigotes

Radioisotopes
Wilson, P. A. G., 1979, Parasitology, v. 79 (1), 29-38
Strongyloides ratti, tracking radioactive larvae in virgin female rats, nursing mothers, and suckling pups

Rearing. See Culture; Technique.

Rearing, Arthropoda. See Technique, Rearing, Arthropoda.

Recovery of parasites. See Technique, Parasite collection and recovery.

Rectum. See Intestine.

Reproduction. [See also Gametogenesis; Growth; Mitosis; Parthenogenesis; Sex and parasitism]

Reproduction, Host
Anderson, R. M., 1978, Parasitology, v. 76 (2), 119-157
regulation of host population growth by parasitic species

Reproduction, Host
Anthony, D. W.; Lotzkar, M. D.; and Avery, S. W., 1978, Mosquito News, v. 38 (1), 116-121
Nosema algerae, infection rates, reproductive capacity, and longevity of Anopheles albimanus exposed at each larval instar, results indicate that introduction of N. algerae into natural A. albimanus populations of mixed larval instars could significantly reduce number and fertility of mosquito eggs

Reproduction, Host
Armon, P. J., 1979, Tr. Roy. Soc. Trop. Med. and Hyg., v. 73 (3), 284-288
maternal deaths in the Kilimanjaro region, survey, includes information on amoebic colitis and malaria: Tanzania

Reproduction, Host
Armstrong, E., 1978, Ztschr. Parasitenk., v. 58 (1), 35-39
Nosema whitei, effects on fecundity of Tribolium castaneum when exposed before mating, after mating, and as larvae

Reproduction, Host
Borgsteede, F. H. M., 1978, Vet. Parasitol., v. 4 (4), 385-391
nematodes in cattle, post-parturient rise of egg-output, epidemiological consequences

Reproduction, Host
Bray, R. S.; and Anderson, M. J., 1979, Tr. Roy. Soc. Trop. Med. and Hyg., v. 73 (4), 427-431
Plasmodium falciparum, prevalence and density in pregnant women (by age/parity), recently pregnant women, and infants, malarial antibody levels in cord blood, seasonal variations: The Gambia

Reproduction, Host
Cannon, L. R. G., 1979, Austral. J. Marine and Freshwater Research, v. 30 (3), 365-374
digenean trematodes in Cerithium moniliferum, incidence in relation to distribution, abundance, growth, and reproduction of snail population, no seasonal pattern of parasitism: Heron Island, Great Barrier Reef

Reproduction, Host
de Castilho, E. A.; and da Silva, G. R., 1976, Rev. Inst. Med. Trop. S. Paulo, v. 18 (4), 258-260
Trypanosoma cruzi, humans, no association found between infant prematurity and maternal Chagas infection

Reproduction, Host
Casto, S. D., 1976, J. Med. Entom., v. 13 (3), 357-360
Syringophiloidus minor, population development in juvenal and nuptial plumages of Passer domesticus, winter dispersal, dispersal into unoccupied coverts of adult birds not observed, effect of dispersal on population composition, population dynamics in the 2 plumages

Reproduction, Host
Chastel, C.; et al., 1977, Semaine Hop. Paris, v. 53 (18-19), 1059-1066
immunological status of women with regard to the Torch complex (toxoplasmosis, rubella, cytomegalovirus and herpes) surveyed, need for continued serologic surveillance during pregnancy

Reproduction, Host
Couch, J. A.; and Rosenfield, A., 1968, Proc. 1967 National Shellfish Ass., v. 58, 51-59
Minchinia nelsoni and M. costalis in Crassostrea virginica introduced from non-infected area, incidence, annual and seasonal prevalence, mortality, sporulation, effect on host reproductive capacity, comparison with Delaware and lower Chesapeake Bays, practical implications for manipulation of introduced oysters: Chincoteague Bay, at Franklin City, Virginia

Reproduction, Host
Delving, M., 1978, Vet. Rec., v. 102 (25), 562 [Letter]
Setaria labiatopapillosa, infertility in a female Bosman's potto, successful treatment with diethylcarbamazine: imported to zoo near Harrogate, England

Reproduction, Host
DeVaney, J. A., 1978, Poultry Science, v. 57 (5), 1189-1191
Ornithonyssus sylviarum, White Leghorn hens (exper.), infestation lowered egg production but did not affect egg fertility or hatchability when these hens were artificially inseminated with semen from mite-infested roosters

Reproduction, Host
Falcone, I.; Wanick, M. C.; and do Nascimento, R., 1975, Rev. Brasil. Clin. e Terap., v. 4 (6), 229-232
human vaginal trichomoniasis, use of clotrimazole to treat pregnant women, drug efficacy of over 93%

Reproduction, Host
Faraco, B. A.; and Faraco, B. F. C., 1973, Rev. Brasil. Med., v. 30 (2), 79-81
Ascaris lumbricoides, pregnant women, piperazine well tolerated, no evidence of transplacental transmission of infection to fetus

Reproduction, Host
Ferraroni, J. J.; Carneiro, O. S.; and Primo, L. C., 1978, Acta Amazonica, v. 8 (2), 217-223
Trichomonas vaginalis, frequency in pregnant women: State Maternity Home, Manaus-Amazonas

Reproduction, Host
Fine, P. E. M., 1979, J. Parasitol., v. 65 (2), 320-321
Heterakis gallinarum, egg output of Parahistomonas wenrichi-infected and uninfected strains, difference not statistically significant

Reproduction, Host
Foxley, R., 1974, Rev. Chilena Obst. y Ginec., v. 39 (3), 83-86
Trypanosoma cruzi, survey of infertile women showed that Chagas disease was an uncommon cause of reproductive problems: Chile

Reproduction, Host
Francis, R. C., 1975, Singapore Med. J., v. 16 (4), 290-296
toxoplasmosis, Asian women especially Malays, high infection rate, high rates of abortion, congenital anomalies, and low birth-weight infants, possible relationships: Singapore

Reproduction, Host
Freier, J. E.; and Friedman, S., 1976, J. Invert. Path., v. 28 (2), 161-166
Aedes aegypti feeding on Plasmodium gallinaceum-infected chickens: take less blood and lay fewer eggs than those feeding on uninfected hosts in inverse correlation with degree of parasitemia, and ingest blood in amounts directly proportional to amount of time spent on hosts (whereas there is no relationship between host contact and blood meal size when feeding on uninfected hosts); infected chickens are less attractive to mosquitoes than uninfected chickens

Reproduction, Host
Frost, O., 1975, South African Med. J., v. 49 (30), 1201-1203
bilharzia, humans, incidence of Fallopian tube infections, possible role as etiologic factor in ectopic pregnancy and salpingitis, tubal infection does not present typical clinical picture for diagnosis

Reproduction, Host
Gaaboub, I. A., 1976, J. Invert. Path., v. 28 (2), 203-207
Brugia pahangi, significant correlation between density of microfilariae on which Aedes aegypti feed, mean number of infective larvae produced per mosquito, and mean number of basal follicles developed per female

Reproduction, Host
Gallazzi, D., 1977, Folia Vet. Latina, v. 7 (4), 371-380
Eimeria spp., rabbits, cyclical variations in excretion of fecal oocysts, seasonal effects, effect of pregnancy, parturition, and lactation, removal of mother from litter, infection of litters, relationship between maternal coccidial levels and those in the young, performance

Reproduction, Host
Gelle, P.; et al., 1975, Rev. Franc. Gynec. et Obst., v. 70 (5), 329-333
toxoplasmosis, survey of pregnant women before and after delivery, non-immune women had more frequent abortions, of women who acquired infection during pregnancy those treated with rovamycine had fewer stillborn infants and infants free of infection than those who received no treatment

Reproduction, Host
Geraci, J. R.; Dailey, M. D.; and St. Aubin, D. J., 1978, J. Fish. Research Bd. Canada, v. 35 (10), 1350-1355
Crassicauda grampicola in Lagenorhynchus acutus (mammary glands), probable life cycle, high incidence and severity of lesions have possible influence on reproductive success of the herd: stranded at Lingley Cove, Edmunds, Maine

Reproduction, Host
Guzman A., R. D.; and Cantillo G., J., 1973, Rev. Colomb. Obst. y Ginec., v. 24 (1), 55-64
intestinal amoebiasis in pregnant women, diagnostic difficulties, evidence of increased virulence and appearance of severe complications, clinical review of 6 cases: Colombia

Reproduction, Host
Heath, A. C. G., 1978, N. Zealand Vet. J., v. 26 (12), 299-300, 309-310
Chorioptes bovis, sheep, seasonality, pathogenicity, intra-flock transfer, analysis of semen quality of rams with scrotal lesions: [New Zealand]

Reproduction, Host
Hewitt, P. H.; and Kok, D. J., 1979, J. Entom. Soc. South. Africa, v. 42 (1), 51-54
mermithids in Aedes caballus, sex of parasite, host fecundity, possible biological control: near Bloemfontein, Orange Free State

Reproduction, Host
Hirt, J., 1977, Acta Bioquim. Clin. Latinoam., v. 11 (4), 313-323
toxoplasmosis and pregnancy, symposium presentation

Reproduction, Host
Ilja, W.; et al., 1974, Rev. Cubana Cirug., v. 13 (2), 279-288
Toxoplasma gondii, epidemiologic and immunodiagnostic survey of 131 pregnant women for evidence of infection or pathologic pregnancies

Reproduction, Host
Imohiosen, E. A. E.; and Adadevoh, B. K., 1979, Niger. Med. J., v. 9 (4), 487-491
parasitic infestations in women using different types of contraceptive devices compared with women using no devices and with males, results correlated with haemoglobin levels of all groups, only malaria of anaemia-inducing infections occurred with significant variation, course of infections may be enhanced by presence of contraceptives

Reproduction, Host
Jackson, J. O.; and DeFoliart, G. R., 1976, J. Med. Entom., v. 13 (3), 351-356
fleas, survey of nests of Peromyscus leucopus, data for some species on seasonal occurrence, sex ratio, abundance in relation to host sex and nesting activity: southwestern Wisconsin

Reproduction, Host
McGregor, I. A., 1978, Israel J. Med. Sc., v. 14 (5), 523-536
malaria, epidemiological aspects, symposium presentation: failure of eradication programs; malaria in pregnancy; interaction between parasite and human erythrocyte

Reproduction, Host
May, R. M.; and Anderson, R. M., 1978, J. Animal Ecol., v. 47 (1), 249-267
dynamics of model host-parasite associations, factors that tend to have a destabilizing influence: parasite induced reduction in host reproduction; effects of parasites reproducing directly inside their host; effects of time delays in parasite reproduction and transmission

Reproduction, Host
Michel, J. F.; Lancaster, M. B.; and Hong, C., 1979, Parasitology, v. 79 (1), 157-168
Ostertagia ostertagi, cattle, effect of age, previous experience of infection, pregnancy, and lactation on resistance to establishment of worms, rate at which populations are turned over, and arrested development

Reproduction, Host
Nasah, B. T.; and Cox, J. N., 1978, Virchows Arch. A, Path. Anat. and Histol., v. 377 (3), 225-236
vascular lesions in testes of 40 of 41 infertile males with oligospermia postulated to be result of repeated formation and deposition of circulating immune complexes, antigens could be of various origins including living or dying parasites, evidence of parasitic testicular involvement (possibly filaria) in 2 cases: Cameroon

Reproduction, Host
Nicolas, J. A.; et al., 1978, Rev. Med. Vet., Toulouse, v. 129 (3), 407-413
toxoplasmosis, sheep, cause of abortion, still-birth, fetal mummification, retained placenta, and lung disturbances in new-born lambs, preventive vaccination discussed

Reproduction, Host
Oakley, G. A.; Owen, B.; and Knapp, N. H. H., 1979, Vet. Rec., v. 104 (22), 503-507
Fasciola hepatica, dairy heifers (exper.), production and performance (growth, gestation period, conception rate, calf birth-weights, milk production)

Reproduction, Host
Okhotina, M. V.; and Nadtochy, E. V., 1970, Acta Parasitol. Polon., v. 18 (1-12), 81-84
Mammanidula asperocutis infection exerts limiting effect on population of Sorex spp. because infected female hosts do not produce milk and their offspring therefore perish

Reproduction, Host
Palmer, T. T., 1978, J. Parasitol., v. 64 (3), 493-496
Plasmodium berghei, rats, effect of primary patent infection during pregnancy upon course of infection and humoral antibody response in offspring, passive transfer of protective antibody through milk, in utero sensitization by soluble malaria antigens may also exert protective effect

Reproduction, Host
Phillips, J.; and Duncan, J. S., 1978, Ann. Applied Biol., v. 88 (2), 346-347
Ixodes ricinus, economic effect of ticks and louping-ill on sheep and grouse, Lagopus lagopus scoticus, reduction in reproduction of grouse: Moray; Central Perthshire

Reproduction, Host
Philocreon, G. R., 1976, Rev. Goiana Med., v. 22 (3-4), 121-201
Toxoplasma gondii, clinical and serological survey of pregnant women, study of incidence, consequences of latent forms of disease, influential factors as age, race and origin, and relationships between toxoplasmosis and pathologic pregnancies: Goiania, Brasil

Reproduction, Host
Ramazanov, V. T.; and Kereev, Ia. M., 1978, Vestnik Sel'skokhoz. Nauki Kazakhstana (5), 78-80
echinococcosis, female sheep (exper.), influence on fertility

Reproduction, Host
Scherrer, J. F.; Chquiloff, M. A. de G.; and de Freitas, J. R., 1976, Rev. Inst. Med. Trop. S. Paulo, v. 18 (5), 315-321
reproductive pattern of 4 genetic varieties of Biomphalaria glabrata compared in order to assess fecundity

Reproduction, Host
Schillhorn van Veen, T. W.; and Ogunsusi, R. A. A., 1978, Vet. Parasitol., v. 4 (4), 377-383
trichostrongylid fecal egg output of lambing and non-lambing ewes in 2 sheep flocks in dry season of 1975/1976 and 1976/1977, effect of lactation vs. that of seasonal development of hypobiotic larvae, difference between the 2 dry seasons was associated with different rainfall patterns during 1975 and 1976: northern Nigeria

Reproduction, Host
Seed, J. R.; et al., 1978, Am. Midland Naturalist, v. 100 (1), 126-134
Trypanosoma brucei gambiense-infected wild and laboratory Microtus montanus males, organ weights, parasite stress as cause of enlarged spleens and smaller gonads, splenomegaly can be used as survey marker to determine extent of parasitism in field populations, reduced reproductive potential suggests that parasitism plays role in limiting host population density: Jackson Hole, Wyoming

Reproduction, Host
Smith, D. H., 1977, J. Mamm., v. 58 (4), 679-681
Cuterebra larvae in Peromyscus maniculatus (exper.), significant reduction in gonad weights and breeding success

Reproduction, Host
Sosnina, E. F.; and Davydov, G. S., 1975, Parazitologiia, Leningrad, v. 9 (2), 183-189
Neohaematopinus palaearctus infestation of Marmota caudata in relation to geographic regions and vertical zones, season, host activity period (hibernation, reproduction, etc.), host age and sex, age and sex structure of louse populations: Tadzhikistan

Reproduction, Host
Stanislawski, E.; and Becker, W., 1979, Comp. Biochem. and Physiol., v. 63A (4), 527-533
Biomphalaria glabrata, influences of semi-synthetic diets, starvation, and Schistosoma mansoni infection on metabolism (using criteria of egg-laying activity and hemolymph components)

Reproduction, Host
Stewart, G. L.; Soifer, F. K.; and Stewart, J. B., 1979, J. Invert. Path., v. 33 (1), 75-80
Dirofilaria immitis, effects of different carbohydrate diets on survival, fecundity, and egg viability in infected Aedes aegypti and on development of 3rd stage larvae of nematode

Reproduction, Host
Sweeting, R. A., 1976, J. Fish Biol., v. 9 (6), 515-522
Ligula intestinalis, effect on Rutilus rutilus population in gravel pit, fall in number of parasitized roach due to predation by other fish, parasitized roach failed to become sexually mature but their actual growth rate was not markedly reduced, plerocercoids grew more rapidly during summer, roach less than 9 months of age should not be introduced into confined waters: southern England

Reproduction, Host
Swift, B. L.; and Paumer, R. J., 1978, Theriogenology, v. 10 (5), 395-403
Anaplasma marginale, heifers in third trimester of gestation (exper.), fetus and dam arterial blood gases and pH measured, death of fetus following progressive parasitic anemia in dam is attributed to fetal anoxia

Reproduction, Host
Tharp, V. L., 1976, Scient. Publication (334). Pan Am. Health Organ., 159-163
Trichomonas foetus, recognition, transmission, pathogenesis, diagnosis, treatment and control, reproductive problems, review

Reproduction, Host
Threlfall, W.; and Goudie, R. I., 1977, Proc. Helminth. Soc. Washington, v. 44 (2), 229-232
Microphallus pygmaeus and Cercaria parvicaudata in Littorina saxatilis, intensity and extensity of infection by sex and size of host, and month; host reproductive capacity; experimental infection in mice: Gull Island, Witless Bay and Newman's Sound, Newfoundland

Reproduction, Host
Tiboldi, T.; et al., 1979, Am. J. Trop. Med. and Hyg., v. 28 (5), 871-872
Schistosoma mansoni, mice, observations on ovarian function during acute infections showed that estrus was present in some infected animals in spite of histopathological changes and decreased levels of progesterone in blood

Reproduction, Host
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Boophilus microplus, resistance in selected Bos taurus and crossbred B. taurus x B. indicus, factors affecting resistance: age and sex of host, lactational status, pregnancy status, season, breed differences

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Trichomonas vaginalis causing enterocolitis in 9-day-old infant, infection thought to have occurred per os during delivery

Reproduction, Host
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Strongyloides ratti, virgin rats at different stages of oestrous cycle, no differences in mean intestinal worm burden, thus changes in hormonal environment of migrating larvae did not alter worms' destination or affect their potential for development, other possible sources of variability in experimental infections, 'exact dose' technique as corrective for some procedural errors

Reproduction, Host
Young, R., jr.; Hass, D. K.; and Brown, L. J., 1979, J. Animal Sc., v. 48 (1), 45-51
Ascaris suum, Oesophagostomum dentatum, dichlorvos administered to non-parasitized and parasitized sows during late gestation, improved reproductive performance found to be independent of anthelmintic activity

Reproduction, Host
Youssef, A. H., 1976, J. Egypt. Vet. Med. Ass., v. 35 (3), 147-157
Dipetalonema evansi, camels, filarial orchitis and possible significance as prevalent reproductive disease; surgical treatment and use of neosulversan, fouadin, and neguvon, histopathology of gonads: Egypt

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Abe, Y., 1978, J. Sericult. Sc. Japan, v. 47 (4), 279-284
Nosema bombycis, propagative reproduction in silkworm larvae

Reproduction, Parasite
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Cochliomyia hominivorax, mating, age, mating frequency, ovarian maturation, insemination, neuroendocrine requirement, temperature

Reproduction, Parasite
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arthropods of medical and veterinary importance, mate seeking and mating sites, review

Reproduction, Parasite
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regulation of host population growth by parasitic species

Reproduction, Parasite
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Schistosoma mansoni, biochemical basis of continuous copulation: male worm retains little of protein it produces in greatest abundance and this protein is electrophoretically identical to most abundant protein found in, but not synthesized by, the female

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Reproduction, Parasite
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Strongyloides avium in Gallus gallus f. domestica, some aspects of life cycle: observation of molt in host; pattern of oviposition of parasitic female

Reproduction, Parasite
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Ichthyophthirius multifiliis, cell division

Reproduction, Parasite
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Mysidobdella borealis comb. n., revised diagnosis, external and internal anatomy, geographical and seasonal occurrence along northeastern coast of United States and Canada, aspects of its biology in association with mysid hosts (attachment to hosts, host preference, reproductive behavior)

Reproduction, Parasite
Caillet, C.; and Raibaut, A., 1979, Compt. Rend. Acad. Sc., Paris, v. 288, s. D, Sc. Nat. (2), 223-226
Clavellodes macrotrachelus, sexuality

Reproduction, Parasite
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Haemaphysalis leporispalustris, development, survival, and oviposition at 5 constant temperatures

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Dermacentor variabilis females engorged on albino rats and wild-caught Erethizon dorsatum and Procyon lotor and held under series of constant laboratory temperatures or under fluctuating temperatures in grass and woodland conditions, daily oviposition and survival rates, viability of eggs, total number of eggs deposited

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Syringophiloidus minor, population development in juvenal and nuptial plumages of Passer domesticus, winter dispersal, dispersal into unoccupied coverts of adult birds not observed, effect of dispersal on population composition, population dynamics in the 2 plumages

Reproduction, Parasite
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Sarcocystis dispersa in mice, asexual multiplication directly in cytoplasm of hepatic cells without formation of parasitophorous vacuole, new process of endogenesis (multiple synchronous endopolygenesis)

Reproduction, Parasite
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Cryptocaryon irritans, effect of temperature and salinity on reproductive cycle

Reproduction, Parasite
Chumakova, I. V.; and Kozlov, M. P., 1979, Entom. Obozr., v. 58 (2), 244-247
fleas, stability of sex ratio and its significance in reproduction

Reproduction, Parasite
Croll, N. A.; and Wright, K. A., 1976, Canad. J. Zool., v. 54 (9), 1466-1480
Nippostrongylus brasiliensis, Nematospiroides dubius, copulatory bursa, fine-structural studies, general musculature and sensory components, physiology of bursal movements during copulation, and observations on control mechanisms

Reproduction, Parasite
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Trypanosoma rangeli, Peruvian strain, growth and development in Rhodnius ecuadoriensis (hemocele, glandulas salivares) (exper.)

Reproduction, Parasite
Davey, J. T.; Gee, J. M.; and Moore, S. L., 1978, Marine Biol., v. 45 (4), 319-327
Mytilicola intestinalis in Mytilus edulis, population dynamics, parasite maturation and breeding, seasonal variation, mortality, environmental temperatures are believed to control parasite developmental cycle: Lynher River, Cornwall, England

Reproduction, Parasite
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Reproduction, Parasite
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Reproduction, Parasite
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Eimeria tenella, 13 strains, intraspecific variability with respect to virulence, reproductive capability, and immunogenic properties: USSR

Reproduction, Parasite
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Ornithodoros gurneyi, laboratory rearing technique, feeding and detaching, molting and development, mating and oviposition, reproductive diapause, effects of temperature, photoperiod, and pressure

Reproduction, Parasite
Dubinsky, P.; et al., 1979, Biologia, Bratislava, s. B, Zool. (2), v. 34 (5), 369-375
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Reproduction, Parasite
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Ornithodoros savignyi, spermatophore evagination

Reproduction, Parasite
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Ornithodoros savignyi, spermatophore, morphology and histochemistry, stages in formation

Reproduction, Parasite
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Heterakis gallinarum, egg output of Parahistomonas wenrichi-infected and uninfected strains, difference not statistically significant

Reproduction, Parasite
Fitzgerald, L. A.; and Foor, W. E., 1979, Exper. Parasitol., v. 47 (3), 313-326
Ascaris suum, electrophoretic characterization of polypeptides from perienteric, testis, seminal, and uterine fluids; comparison of their protein concentrations, pH, and osmolarity; effects of seminal and uterine fluids on spermiogenesis

Reproduction, Parasite
Fowler, J. L.; and Reeves, E. L., 1975, J. Invert. Path., v. 25 (3), 349-353
Nosema necatrix, in vivo propagation in Trichoplusia ni or Heliothis zea, effect of inoculum, temperature, and host type and age

Reproduction, Parasite
Galun, R.; Sternberg, S.; and Mango, C., 1978, Bull. Entom. Research, v. 68 (1), 153-157
Argas persicus, Ornithodoros tholozani, O. moubata, effects of several laboratory animals on tick feeding behaviour and reproduction

Reproduction, Parasite
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Ornithodoros moubata, effect of copulation on vitellogenesis and egg laying

Reproduction, Parasite
Gillet, J.; and Herman, F., 1971, Ann. Soc. Belges Med. Trop. Parasitol., v. 51 (6), 655-677
Plasmodium berghei berghei, erythrocytic forms inoculated into mouse embryos, development, reproduction, mice at birth had either no evidence of infection or had overwhelming parasitemia with extended period of parasite development

Reproduction, Parasite
Graf, J. F., 1978, Mitt. Schweiz. Entom. Gesellsch., v. 51 (1), 89-97
Ixodes ricinus, copulation, nutrition, and oviposition, rearing method, white mouse used for larvae and nymphs, rabbit and guinea pig for females, sex of nymphs determined successfully on basis of engorgement weight

Reproduction, Parasite
Graf, J. F., 1978, Mitt. Schweiz. Entom. Gesellsch., v. 51 (2-3), 241-253
Ixodes ricinus, copulation, meeting of both sexes assured by female pheromone, crossed attraction between I. ricinus and I. hexagonus

Reproduction, Parasite
Grasse, P. P.; and Lavette, A., 1978, Compt. Rend. Acad. Sc., Paris, v. 286, s. D, Sc. Nat. (10), 757-759
Sphaeromyxa sabrazesi, 'germinal' cells are complex of three cellular types, observations support independence of Myxosporidia from Protozoa and Metazoa

Reproduction, Parasite
Greenwood, M. T.; and Holdich, D. M., 1979, J. Zool., London, v. 187 (1), 21-38
Ceratophyllus hirundinus hirundinus, C. styx styx, surface structure and cellular detail of sensilium, light, stereoscan, and transmission electron microscopy, possible modes of functioning

Reproduction, Parasite
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Cochliomyia hominivorax, behavior of sexually active males, possible aggregation sites for mating in vegetation rather than on hosts

Reproduction, Parasite
Hafez, M.; and Hilali, M., 1978, Vet. Parasitol., v. 4 (3), 275-288
Hippobosca longipennis, biology in Egypt, laboratory observations: adult emergence, feeding mechanism, frequency and amount of blood meal, tolerance to starvation, sexual maturity, mating behavior, sex ratio, intrauterine larval development, larviposition and description of 3rd larval stage, adult longevity and fecundity, description of pupa, pupal duration (effect of temperature, relative humidity, and host)

Reproduction, Parasite
Hafez, M.; Hilali, M.; and Fouda, M., 1977, Ztschr. Ang. Entom., v. 83 (4), 426-441
Hippobosca equina, field-collected and laboratory-reared on guinea pigs, biology, adult males vs. females (feeding, longevity of starved adults in 2 seasons, longevity of normal adults and fecundity in 2 seasons, effect of presence of males on fecundity of females, sexual maturation, sex ratio); larval stage (larviposition, description, and duration of 3rd larval stage; seasonal intrauterine larval development); pupal stage (duration, effect of temperature and humidity)

Reproduction, Parasite
Hafez, M.; Hilali, M.; and Fouda, M., 1979, Ztschr. Ang. Entom., v. 87 (3), 327-335
Hippobosca equina, ecological studies: host preference, seasonal abundance, adult habits, effect of host sex and colour on attraction of flies, mating behaviour, distribution on host body, sex ratio, breeding season: El-Aziziya village, El-Faiyum governate, Egypt

Reproduction, Parasite
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Leishmania tropica system of prolonged culture of amastigotes in mouse macrophages, dynamics of division rate and macrophage infection; macrophages from immune mice inferior for culture

Reproduction, Parasite
Haque, A.; et al., 1978, Parasitology, v. 76 (1), 77-84
Dipetalonema viteae, hamsters, female adult worms suppress but male adults enhance microfilaraemia of infection initiated with infective larvae, male worms release factor(s) which enhance microfilaraemia, microfilariae production by implanted female worms is inhibited by developing infective larvae

Reproduction, Parasite
Houlihan, D. F.; and Macdonald, S., 1979, Exper. Parasitol., v. 48 (1), 109-117
Diclidophora merlangi, Entobdella soleae, egg production and respiratory rate at different oxygen partial pressures

Reproduction, Parasite
Imada, R.; and Muroga, K., 1978, Bull. Japan. Soc. Scient. Fish., v. 44 (6), 571-576
Pseudodactylogyrus microrchis on Anguilla anguilla (gills), influence of water temperature on oviposition, hatching and development of parasite

Reproduction, Parasite
Irwin, S. W. B.; Threadgold, L. T.; and Howard, N. M., 1978, Parasitology, v. 76 (2), 193-199
Cryptocotyle lingua, redia, surface morphology with special reference to birth papilla and release of cercariae, scanning and transmission electron microscopy

Reproduction, Parasite
Kamarli, A. P.; and Tuganbaev, A. T., 1974, Entom. Issled. Kirgizii, 78-79
Crivellia silenus, data on process of pupation, duration of pupal phase and sexually mature form under conditions of South Kirgiz

Reproduction, Parasite
Kerboeuf, D., 1978, Ann. Recherches Vet., v. 9 (1), 161-168
Heligmosomoides polygyrus, mice, low infectivity of third-stage larvae resulted in greater fecundity of female worm and vice versa, egg-output of worm increased when worm burden was smaller, decreased with greater worm burden

Reproduction, Parasite
Khalil, G. M., 1979, J. Parasitol., v. 65 (2), 321-323
Argas arboreus, fecundity reduction as result of crowding

Reproduction, Parasite
Kir'iakova, A. N.; Koptsev, L. A.; and Koptseva, Z. G., 1970, Parazitologiia, Leningrad, v. 4 (6), 528-536
Xenopsylla spp., occurrence and timing of one generation per year, implications for role of fleas in disease transmission: northern Kzylkum

Reproduction, Parasite
Koenigk, E., 1978, Tropenmed. u. Parasitol., v. 29 (4), 435-438
Leishmania tropica promastigotes, purine nucleotide metabolism, inhibitory effect of allopurinol and analogues of purine nucleosides, possible mode of action of growth inhibition by allopurinol

Reproduction, Parasite
Kosminskii, R. B.; et al., 1979, Vestnik Zool., Akad. Nauk Ukrainsk. SSR, Inst. Zool. (2), 48-53
Amphipsylla rossica, ecology, field and laboratory studies: feeding, reproduction, development, survival, and longevity under various conditions of temperature and humidity; age composition and physiological state of populations in different months; abundance on Microtus arvalis and in its nests and burrow entrances in different months: Transcaucasian highlands

Reproduction, Parasite
Kozlov, D. P., 1971, Trudy Gel'mint. Lab., Akad. Nauk SSSR, v. 22, 68-72
Trichinella spiralis, mice, orientation of male and female larvae into pairs in small intestine, pairs more frequent in lower section than in upper section

Reproduction, Parasite
Kozlov, D. P., 1972, Parazitologiia, Leningrad, v. 6 (4), 360-363
Trichinella spiralis, male is able to fertilize several females, females may copulate several times in host's intestine

Reproduction, Parasite
Kusunoki, Y., 1977, Kiseichugaku Zasshi (Japan. J. Parasitol.), v. 26 (1), 6-16
Toxoplasma gondii, sporozoites, bradyzoites, and tachyzoites of Beverley strain, tachyzoites of RH strain, invasion and multiplication in cultured cells

Reproduction, Parasite
Lebedev, B. I., 1979, Zhurnal Obshch. Biol., v. 40 (2), 271-281
Monogenea, congeneric concurrent parasitism of fish gills, spatial distribution related to coevolution of competitive species, simultaneous hermaphroditism aids reproduction in restricted environment, review

Reproduction, Parasite
Lee, C. M.; Harris, L. M.; and Aboko-Cole, G. F., 1978, Internat. J. Parasitol., v. 8 (3), 187-192
Trypanosoma lewisi, feral isolate, comparative activity in albino vs. black rats (parasitemia, trypanosome cell size and reproductive development, trypanosome respiration), data show that albino rats were significantly more susceptible to infection than black rats

Reproduction, Parasite
Leung, Y. M., 1976, Scient. Rep. Whales Research Inst. (28), 153-160
Cyamus scammoni, life cycle on gray whale, study of parasite reproduction during host migration periods, damage to host cutaneous tissue, ability to survive out of water for several days, comparisons with C. ceti and C. kessleri life cycles: off central California coast; shore station at Pt. San Pablo, California; Pt. Barrow, Alaska

Reproduction, Parasite
Long, P. L.; and Millard, B. J., 1979, Parasitology, v. 78 (1), 41-51
Eimeria dispersa, isolation from turkeys in Britain, life cycle and reproduction, cross-protection against American strain, electrophoretic analysis of enzymes, host specificity studies, in vitro growth studies, gross pathology, pathogenicity, immunogenicity

Reproduction, Parasite
Luetzen, J., 1979, Ophelia, v. 18 (1), 1-51
Enteroxenos oestergreni in Stichopus tremulus and E. parastichopoli in Parastichopus californicus, detailed life history, frequency, infection sites, reproduction, metamorphosis of male larvae completed by implantation in female's central cavity, biology and anatomy of male E. oestergreni; biology compared with other species of Entoconchidae; effect of E. oestergreni on host

Reproduction, Parasite
McDaniel, R. S. II; and Oliver, J. H., jr., 1978, J. Parasitol., v. 64 (3), 571-573
Dermacentor variabilis nymphs, effects of insect growth regulators on certain aspects of developmental and reproductive biology

Reproduction, Parasite
Macdonald, S.; and Jones, A., 1978, J. Helminth., v. 52 (1), 23-28
Diplozoon homoion gracile from Barbus meridionalis, egg-laying and hatching rhythms, probably synchronized to host behavior so as to increase chances of successful invasion by larvae

Reproduction, Parasite
Marchand, B.; and Mattei, X., 1979, J. Ultrastructure Research, v. 66 (1), 32-39
Neoechinorhynchus agilis, ultrastructural modification of ovarian ball and spermatozoa after insemination of female, role of passive vs. active penetration

Reproduction, Parasite
May, R. M.; and Anderson, R. M., 1978, J. Animal Ecol., v. 47 (1), 249-267
dynamics of model host-parasite associations, factors that tend to have a destabilizing influence: parasite induced reduction in host reproduction; effects of parasites reproducing directly inside their host; effects of time delays in parasite reproduction and transmission

Reproduction, Parasite
Mills, C. A.; Anderson, R. M.; and Whitfield, P. J., 1979, J. Animal Ecol., v. 48 (2), 383-399
Transversotrema patialense on Brachydanio rerio (exper.), host size (age) and parasite survival, (parasite) age- and density-dependent survival and reproduction, reinfection and transplantation experiments failed to provide evidence of host immunological responses

Reproduction, Parasite
Molyneux, D. H., 1970, Ann. Soc. Belges Med. Trop. Parasitol., v. 50 (2), 229-237
Trypanosoma (Herpetosoma) spp., reproduction in vertebrate host, course of infection, transmission and development in fleas, review

Reproduction, Parasite
Naidu, T. S. V.; and Murhar, B. M., 1979, Current Sc., Bangalore, v. 48 (10), 463-464 [Letter]
Spinostrongylus indicus in Taphozous melanopogon and Rhinolophous luctus (intestine of both), measurements, copulation: Nagpur

Reproduction, Parasite
Nollen, P. M., 1978, J. Parasitol., v. 64 (4), 613-616
Philophthalmus gralli, development and movement of reproductive cells and inseminatory behavior studies using techniques of transplantation and autoradiography

Reproduction, Parasite
Nollen, P. M.; and Pyne, J. L., 1979, J. Parasitol., v. 65 (1), 35-37
Megalodiscus temperatus adults in Rana pipiens, timing stages of spermatogenesis, inseminative behavior, techniques used include labelling of spermatogonial cells with ^{3}H-adenosine, method for transplanting worms to frogs, and autoradiography

Reproduction, Parasite
Oliver, G., 1978, Ztschr. Parasitenk., v. 57 (3), 247-250
Diplectanum aequans, D. sciaenae, ovoviviparity

Reproduction, Parasite
Oliver, J. H., jr., 1974, J. Med. Entom., v. 11 (1), 26-34
Ixodoidea, reproduction (gametogenesis, mate finding, copulation, sperm behavior and longevity, syngamy, oviposition), review

Reproduction, Parasite
Osburn, R. L.; and Oliver, J. H., jr., 1978, J. Parasitol., v. 64 (4), 719-726
Dermacentor variabilis, effects of metepa on cytology and fertility of males treated as unfed adults

Reproduction, Parasite
Patrick, C. D.; and Hair, J. A., 1979, Ann. Entom. Soc. Am., v. 72 (2), 308-312
Amblyomma americanum, oviposition behavior and larval longevity in 4 different habitats, preoviposition time and egg incubation temperature dependent

Reproduction, Parasite
Pellegrino, J.; and Coelho, P. M. Z., 1978, J. Parasitol., v. 64 (1), 181-182
Schistosoma mansoni, mice with single worm-pair infections, oogram scanning, schematic distribution of first-stage eggs along host intestine, results confirm that female lays about 300 eggs per day, wide distribution reflects remarkable wandering capacity of schistosome pairs, findings support value of oogram method for drug screening purposes

Reproduction, Parasite
Peroutka, M.; and Cihar, R., 1978, Apidologie, v. 9 (4), 291-304
Nosema apis in drones (exper.), effect of pollen, pharyngeal gland secretions, and pteridines (stimulation, inhibition, or no effect) on parasite reproduction

Reproduction, Parasite
Petersen, J. J., 1978, J. Invert. Path., v. 31 (1), 103-105
Octomyomermis muspratti, effects of male/female ratios on mating and egg production, application of these findings may help obtain maximum laboratory production of this potential biocontrol agent of mosquitoes

Reproduction, Parasite
Petrelli, G.; and Crestini, A. M., 1976, Parassitologia, v. 18 (1-3), 85-94
Ixodes ricinus, Hyalomma marginatum, effect of different combinations of temperature and humidity on oviposition

Reproduction, Parasite
Poinar, G. O., jr., 1978, Nematologica, v. 24 (1), 105-114
Neoaplectana glaseri, emended description, generation polymorphism (larger first generation, smaller second generation); symbiotic bacterium in nematode released into insect haemocoel, probably aids in nematode nutrition and development; rediscovery of xenic population indicates that nematode species is native to North America not introduced with Japanese beetle; possible use for pest control renewed

Reproduction, Parasite
Poinar, G. O., jr., 1978, Nematologica, v. 24 (1), 135
Gastromermis spp., deposition of eggs in gelatinous matrix produced by cells of reproductive tract, eggs adhere to debris in fast flowing stream, within host range: near Truckee, California

Reproduction, Parasite
Pound, J. M.; and Oliver, J. H., jr., 1979, Science (4416), v. 206, 355-357
Ornithodoros parkeri, evidence of physiological role of juvenile hormone in acarine reproduction

Reproduction, Parasite
Pye, A. E.; and Burman, M., 1978, Exper. Parasitol., v. 46 (1), 1-11
Neoaplectana carpocapsae (potential biological control agent) in Hylobius abietis: dose-mortality and concentration-mortality studies, nematode dispersal, invasion route, host mortality in relation to temperature and to insect stage and condition; nematode reproduction, optimal temperature

Reproduction, Parasite
Rau, M. E.; Bourns, T. K. R.; and Ellis, J. C., 1975, Canad. J. Zool., v. 53 (5), 642-650
Trichobilharzia ocellata, reproductive success evaluated by passage of viable eggs by ducks exposed to initial and challenge infections, possible immunological basis for decline in egg production

Reproduction, Parasite
Rees, F. G., 1978, Proc. Roy. Soc. London, s. B, Biol. Sc. (1140), v. 200, 245-267
Cryptocotyle lingua, ultrastructure and development of ventrogenital complex and its mode of operation in copulation

Reproduction, Parasite
Reinhard, E. G., 1942, J. Morphol., v. 70 (3), 389-402
Peltogaster paguri, reproductive role of cypris larvae ('complemental males'), description of cypris cells and accompanying nurse cells, masculinization of cypris larva to become functional male upon contact with young hermaphrodite, expels spermatogenic elements into hermaphrodite, ensures production of heterozygotes as well as homozygotes

Reproduction, Parasite
Rengaraju, V., 1979, Current Sc., Bangalore, v. 48 (2), 60-61
Porrorchis indicus found in coitu in crow-pheasant (intestine), mechanism of copulation

Reproduction, Parasite
Rohde, K., 1977, Zool. Anz., Jena, v. 199 (3-4), 164-172
distribution of monogenean and copepod ectoparasites on gills of tropical marine fish and fish from cold-temperate seas, evidence that restricted microhabitat leads to intraspecific contact and, thus, facilitates mating

Reproduction, Parasite
Rondanelli, E. G.; et al., 1976, Recenti Prog. Med., v. 61 (2), 137-162
Leishmania donovani and L. tropica promastigote forms in vitro, basis for qualifying characters of ultrastructural organization of genus Leishmania and aspects of its reproduction and pathogenicity; promastigote and endomastigote phases discussed

Reproduction, Parasite
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Rhabdias ranae, determination of somatic, diploid, and haploid chromosome numbers; spermatogenesis, oogenesis, and fertilization; method of sex determination and chromosome elimination

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Eimeria stiedai, rabbits, endodyogeny observed, confirms theory that endodyogeny is primary and fundamental process of asexual reproduction in the Coccidia and that schizogony is a secondary process which has developed from endodyogeny

Reproduction, Parasite
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Schistosoma mansoni, phenol oxidase, biochemical method for detection (enzyme activity induced by in vitro incubation of female schistosomes), enzyme properties and effects of various drugs upon its activity, appears to be associated with egg production and may serve as target for development of drugs, also as a useful marker for biochemical and immunological studies

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Dermacentor variabilis, D. andersoni, female sex pheromone, chemical and biological evidence for existence, interspecific and intergeneric sex attractant activity involving both Dermacentor spp. and Rhipicephalus sanguineus

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Trypanosoma cruzi, Venezuelan strain vs. Brazilian strain, factors influencing adaptation, development, and multiplication in local race of Rhodnius prolixus vectors (laboratory strain originally from state of Guarico, Venezuela)

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Reproductive organs. [See also Gonads]

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    schistosomiasis, human seminal vesicles and ejaculatory ducts, seminal vesiculography and castings, diseased vs. normal organs

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    Schistosoma mansoni, elderly Puerto Rican man, intratesticular ovum depositis with periorchitis, case report

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  Elbadawi, A.; Khuri, F. J.; and Cockett, A. T., 1979, Urology, v. 13 (3), 309-314
    Schistosoma haematobium, man, polypoid granulomatous and sclerosing endophlebitis of spermatic cord, pathology, clinical aspects, clinicopathologic classifications of schistosomal funiculitis, case report

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    several conditions of abnormal pregnancy including 3 patients with P[lasmodium] falciparum malaria, deposition of complement components within placenta

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    Trypanosoma cruzi-infected guinea pigs, lesions of testis and epididymis, pathology similar to that reported in human Chagas disease

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    Trypanosoma cruzi, mice, neuron lesions of juxtaprostatic pelvic ganglion, applications for human testicular lesions and genital misfunctions in human infections

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    bilharzia, humans, incidence of Fallopian tube infections, possible role as etiologic factor in ectopic pregnancy and salpingitis, tubal infection does not present typical clinical picture for diagnosis

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    Entamoeba histolytica affecting female genital tract, case reports, clinical management, treatment, possible association with cervical carcinoma: South Africa

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    schistosomal seminal vesiculitis, humans, quantitative and qualitative pathology

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    bilharzial and amoebic granulomatous lesions of the cervix uteri, incidence in South African Blacks, clinical presentation, macroscopic and microscopic features: Baragwanath Hospital

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    Schistosoma mansoni, woman, case report, schistosomal infection of fallopian tube: Venezuela

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    vascular lesions in testes of 40 of 41 infertile males with oligospermia postulated to be result of repeated formation and deposition of circulating immune complexes, antigens could be of various origins including living or dying parasites, evidence of parasitic testicular involvement (possibly filaria) in 2 cases: Cameroon

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    Schistosoma mansoni, woman, ovarian localization, presenting as sterility, case report: Anapolis, Brazil

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    Microsporidia [sp.]-infected Rana pipiens, class of unique abnormally enlarged and discolored follicles and oocytes identified in ovaries, various parameters of composition, function, and structure of these large oocytes: Vermont

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    Schistosoma mansoni, miracidia, shells, and viable eggs in seminal fluid of man with mildly symptomatic intestinal infection: Belo Horizonte, Brazil

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Schistosoma mansoni-infected mice, histopathological changes in ovaries in acute and chronic infections, pituitary hypofunction may contribute to pathological transformation of ovarian tissue

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Cuterebra fontinella on Peromyscus leucopus noveboracensis, mean infestation rate, host age, reduced size of reproductive organs in infected subadult males, no effect on adult male and female reproductive organs, parasite-host relationships are stable and parasite and host have evolved coadaptations and a tolerance for each other

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Reproductive organs, Parasite
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Reproductive organs, Parasite
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Reproductive organs, Parasite
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Ascaris suum, electrophoretic characterization of polypeptides from perienteric, testis, seminal, and uterine fluids; comparison of their protein concentrations, pH, and osmolarity; effects of seminal and uterine fluids on spermiogenesis

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platyhelminths (47 species), glycogen and fat distribution in yolk glands and complex eggs, accumulation of reserve substances in yolk glands appears to vary with type of egg development (in external environment vs. in uterus of parent), digenetic trematodes accumulate only glycogen and not fat

Reproductive organs, Parasite
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Prosthogonimus ovatus, synonymy, extent of development of reproductive system varies with definitive host

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Glaridacris catostomi, Penarchigetes sp., anomalies involving duplication of reproductive systems; Promonobothrium minytremi, lateral swelling containing additional testes

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Reproductive organs, Parasite
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Philophthalmus gralli, development and movement of reproductive cells and inseminatory behavior studies using techniques of transplantation and autoradiography

Reproductive organs, Parasite
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Necator americanus, Ancylostoma duodenale, morphology of copulatory bursa in cross section, comparison between species

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Camallanus lacustris female, structure of reproductive tract

Reproductive organs, Parasite
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Reproductive organs, Parasite
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Cryptocotyle lingua, development and ultrastructure of female reproductive ducts in metacercaria and adult

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Reproductive organs, Parasite
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Hyalomma anatolicum excavatum, synthesis and content of prostaglandins in salivary glands, reproductive organs, and egg-batches, higher in females than males

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Schistosoma mansoni, female reproductive system, electron microscopy

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Hymenolepis diminuta, development of reproductive system

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Ancylostoma duodenale, A. caninum, sense organs and copulatory bursa, scanning electron microscopy

Reproductive organs, Parasite
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Porocephalus stilesi, P. clavatus, comparison of morphometric data on copulation dilators

Reproductive organs, Parasite
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Aspiculuris tetraptera, gross morphology of reproductive system, oogenesis, fertilization, egg-shell formation, cap cell and rachis, cytoplasmic inclusions of oocyte, formation of uterine layers

Reproductive organs, Parasite
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Wharton, D. A., 1979, Parasitology, v. 79 (1), pp. 1-12
Hammerschmidtiella diesingi, structure and histochemistry of egg-shell, gross morphology of reproductive system, cytoplasmic inclusions of oocyte, shell formation

Reproductive organs, Parasite
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Reservoir hosts. [See also Disease transmission; Epidemiology]

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Trypanosoma cruzi, search for wild reservoirs and vectors of pathogenic strain isolated from natural infection of Philander opossum quica, infective for mice and triatomes: Ribeirao Preto, Sao Paulo, Brasil

Reservoir hosts
de Alencar, J. E.; et al., 1975, Rev. Brasil. Malariol., v. 26-27, 1974-1975, 5-26
Trypanosoma cruzi, statistics of epidemiologic survey, dogs and cats emphasized as reservoir hosts for human infections: State of Ceara (County of Russas), Brazil

Reservoir hosts
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Trypanosoma cruzi, strain isolated from Holochilus brasiliensis leucogaster, infective for baby mice and triatomines: Itapira, State of Sao Paulo, Brazil

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Trypanosoma cruzi, isolation from wild rodent (Calomys musculinus) which is widely distributed in Argentina, possible implications for epidemiology of human Chagas disease: Las Higueras, Rio Cuarto, Cordoba

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Leishmania, 3 strains isolated from Rattus rattus by inoculation of rat spleen into hamsters: area of Baccinello, Tuscany, Italy

Reservoir hosts
Cabrera, B. D., 1977, Internat. J. Zoonoses, v. 4 (2), 49-55
Paragonimus westermani in wild Rattus norvegicus (lungs), incidence; metacercariae developed to maturity in laboratory rats (exper.), confirms rat as natural host: Jaro, Leyte, Philippines

Reservoir hosts
Carney, W. P.; Van Peenen, P. F. D.; and Sudomo, M., [1979], J. Parasitol., v. 64 (6), 1978, 1138-1139
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Reservoir hosts
Carvalho, O. dos S.; Milward de Andrade, R.; and Cortes, M. I. N., 1975, Rev. Soc. Brasil. Med. Trop., v. 9 (1), 27-35
Schistosoma mansoni, extensive survey for possible role of rodent reservoir hosts in the epidemiology of human schistosomiasis; rodents thought to become parasitized when using brooks and lake tributaries containing cercariae shed by planorbids living in these waters: Lago da Pampulha, Belo Horizonte, Brasil

Reservoir hosts
Coelho, P. M. Z.; et al., 1979, Am. J. Trop. Med. and Hyg., v. 28 (1), 163-164
Schistosoma mansoni, small mammal reservoir hosts trapped in endemic area: Caratinga area, Minas Gerais, Brazil

Reservoir hosts
Dedet, J. P.; et al., 1979, Ann. Trop. Med. and Parasitol., v. 73 (5), 433-437
Leishmania major, search for reservoirs for human infection

Reservoir hosts
Dias, L. C. S.; Avila-Pires, F. D.; and Pinto, A. C. M., 1978, Tr. Roy. Soc. Trop. Med. and Hyg., v. 72 (5), 496-500
Schistosoma mansoni, natural infections of small mammals; daily variation in egg output; distribution, number, and sex of worms recovered during perfusion of portal system; Holochilus brasiliensis leucogaster most likely as reservoir host: valley of Paraiba do Sul river, Sao Paulo State, Brazil

Reservoir hosts
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Reservoir hosts
Draeger, N.; and Mehlitz, D., 1978, Tropenmed. u. Parasitol., v. 29 (2), 223-233
Trypanosoma spp., wildlife, prevalence determined by parasitological and/or serological techniques, correlations with high and low tsetse fly density areas (for buffalo and lechwe) and with host age (for buffalo): Northern Botswana

Reservoir hosts
Durfee, P. T.; and Cross, J. H., 1972, Taiwan i Hsueh Hui Tsa Chih (J. Formosan Med. Ass.), v. 71 (8), 509-524
catalogue of zoonoses of Taiwan, ready reference for physicians, veterinarians, and public health workers

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Frandsen, F.; et al., [1979], J. Parasitol., v. 64 (6), 1978, 1136
Schistosoma intercalatum, successful exper. infection of sheep suggests that indigenous sheep and possibly other ruminants may act as reservoir hosts in natural transmission foci

Reservoir hosts
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Trypanosoma gambiense, epidemiology, problem of reservoirs in continuing transmission, man (symptomless carriers) as possible reservoir: Afrique Centrale

Reservoir hosts
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Schistosoma mansoni, epidemiologic survey of resident population, snail vectors, and wild animals after reports of infection in tourists and campers to Omo National Park, importance of infection to future developmental plans: Omo National Park, southwest Ethiopia

Reservoir hosts
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Trypanosoma cruzi, morphologic characteristics of strain isolated from bat reservoir hosts: area of Sao Paulo

Reservoir hosts
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Trypanosoma cruzi, new strain isolated from bat, infective for mice and triatomes in laboratory experiments: Ribeirao Preto, Sao Paulo, Brazil

Reservoir hosts
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Trypanosoma brucei gambiense, identification in Liberian pigs and dogs by isoenzyme electrophoresis and by resistance to human plasma, peptidase polymorphism demonstrated; stock from 2 pigs resistant to human plasma and contained enzyme marker previously found only in man, evidence that pigs are reservoirs for human infection in West Africa

Reservoir hosts
Gray, G. G.; Pence, D. B.; and Simpson, C. D., 1978, Proc. Helminth. Soc. Washington, v. 45 (1), 139-141
helminth parasites of sympatric Ammotragus lervia and Odocoileus hemionus, probably neither is reservoir for the other nor for domestic livestock: Palo Duro Canyon, Texas

Reservoir hosts
Hira, P. R., 1975, Ann. Soc. Belge Med. Trop., v. 55 (4), 321-326
Inermicapsifer madagascariensis, children, case reports, niclosamide, wild rodents as reservoir hosts: Zambia

Reservoir hosts
Jacobson, R. H.; Worley, D. E.; and Hawkins, W. W., 1977, J. Wildlife Dis., v. 13 (3), 323-326
Anaplasma marginale, Antilocapra americana not found to be infected, complement fixation test not useful for detection: eastern Montana

Reservoir hosts
Jarvis, T., 1977, Eesti Pollumaj. Akad. Teadusl. Toode Kogum. (104), 137-143
helminths of roedeer, [Capreolus capreolus], role in infecting farm animals: Estonian SSR

Reservoir hosts
Joshua, R. A.; Herbert, W. J.; and White, R. G., 1978, Lancet, London (8066), v. 1, 724-725 [Letter]
Trypanosoma brucei brucei, acquisition of potential infectivity for man (resistance to normal human serum when tested by blood incubation infectivity test) after maintenance in domestic hens, suggests birds as potential reservoirs of trypanosomes of brucei group

Reservoir hosts
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Trypanosoma cruzi, extensive survey of wild animals, triatomine bugs and humans for evidence of Chagas disease: State of Para, north Brazil

Reservoir hosts
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Trypanosoma hippicum, importance of bats as reservoir hosts in epidemiology of zoonoses

Reservoir hosts
Mehlitz, D., 1979, Tropenmed. u. Parasitol., v. 30 (2), 212-219
Trypanosoma spp., infection rates in domestic animals; screening of dogs and pigs to indicate potential reservoirs of T. (Trypanozoon) brucei gambiense; comparison of sensitivity of 3 diagnostic techniques; comparison of number of primary isolations and derived stabilated Trypanosoma stocks: rain forest areas, Liberia

Reservoir hosts
Molyneux, D. H., 1973, Ann. Soc. Belge Med. Trop., v. 53 (6), 605-618
Gambian trypanosomiasis, evidence for existence of animal reservoirs of Trypanosoma brucei gambiense reviewed; use of modified blood incubation infectivity test for diagnosis of T. brucei subspp. suggested; recommendations for long-term study of man and various animal groups as sources of various strains

Reservoir hosts
Morales, G. A.; Wells, E. A.; and Angel, D., 1976, J. Wildlife Dis., v. 12 (4), 572-574
Trypanosoma evansi in Hydrochoerus hydrochaeris as reservoir host: Eastern Plains of Colombia

Reservoir hosts
Mott, K. E.; et al., 1978, Am. J. Trop. Med. and Hyg., v. 27 (6), 1123-1127
Trypanosoma cruzi, infection of domestic dogs and cats in relation to household seroreactivity and household Panstrongylus megistus infestation: northeast Brazil

Reservoir hosts
Nadim, A.; et al., 1978, Am. J. Trop. Med. and Hyg., v. 27 (1, pt. 1), 25-28
kala-azar, human, geographical distribution, age and sex distribution, clinical findings, wild carnivores as probable reservoir hosts and Phlebotomus major as probable vector: Iran

Reservoir hosts
Neves, D. P.; et al., 1975, Rev. AMMG, v. 26 (3-4), 84-87
Leishmania brasiliensis in 2 humans who had earlier visited and slept in a nearby cave where infection was thought to have occurred; Oryzomys eliurus and Cercomys cunicularis cunicularis considered possible reservoirs and Lutzomyia renei possible vector: Rei do Mato cave in Sete Lagoas, Minas Gerais

Reservoir hosts
Newsome, A. L.; and Wilhelm, W. E., 1979, J. Parasitol., v. 65 (1), 108
Trichinella spiralis found in Procyon lotor (diaphragm): Tennessee

Reservoir hosts
Ngoka, J. M.; and Mutinga, M. J., 1978, East African Med. J., v. 55 (7), 332-336
Leishmania donovani, animal reservoir hosts: West Pokot and Baringo districts, Kenya

Reservoir hosts
Partono, F.; et al., 1977, Southeast Asian J. Trop. Med. and Pub. Health, v. 8 (3), 400-407
Brugia malayi, humans, epidemiologic and vector survey; possible importance of cats in transmission: Kalimantan, Indonesia

Reservoir hosts
Petter, F., 1978, Compt. Rend. Acad. Sc., Paris, v. 287, s. D, Sc. Nat. (4), 261-264
leishmaniasis, epidemiological implications of discovery of Proechimys cuvieri sp. n.: French Guiana

Reservoir hosts
Rep, B. H.; and Bos, R., 1979, Tijdschr. Diergeneesk., v. 104 (19), 747-758
Uncinaria stenocephala, dogs (exper.), worm population and topographical distribution in host intestine, prepatent and patent period, rhythm of daily worm-egg counts; egg and larval survival at low temperatures; natural infections in foxes and experimental cross-infections between dogs and foxes, epidemiological implications: Netherlands

Reservoir hosts
Ribeiro, R. D., 1973, Rev. Brasil. Biol., v. 33 (3), 429-437
Trypanosoma cruzi, new rodent reservoir hosts, isolated strain infective for mice, rats and triatomes in laboratory experiments

Reservoir hosts
Ribeiro, R. D.; and Barretto, M. P., 1975, Rev. Inst. Med. Trop. S. Paulo, v. 17 (4), 247-252
Trypanosoma cruzi, strain isolated from Akodon lasiotis, infective for mice and triatomines: Ribeirao Preto, Sao Paulo, Brazil

Reservoir hosts
Ribeiro, R. D.; and Pereira Barretto, M., 1977, Rev. Brasil. Biol., v. 37 (2), 233-239
Trypanosoma cruzi, strain isolated from Dasyprocta a. aguti (blood), possible reservoir, infectivity to triatomines and mice, mice protected against subsequent infection by human strain: Colatina, E. S., Brasil

Reservoir hosts
Riemann, H. P.; et al., 1978, J. Wildlife Management, v. 42 (1), 198-202
Toxoplasma gondii, prevalence of antibodies among wild carnivores, regional distribution, Lynx rufus and feral Felis domestica important hosts for reinforcing infection in wildlife areas: California

Reservoir hosts
Rocha, G. de M.; and Peireira Barretto, M., 1977, Rev. Brasil. Biol., v. 37 (2), 419-424
Trypanosoma cruzi, isolated from Callithrix geoffroyi (blood), possible reservoir host, pathogenic for mice, infection by monkey strain gives good resistance in mice against reinoculation with Y-strain of T. cruzi: Governador Valadares, MG, Brazil

Reservoir hosts
Rodriguez Toro, R., 1976, Scient. Pub. (334). Pan Am. Health Organ., 67-76
Leishmania, Echinococcus granulosus, E. multilocularis, role of wildlife in transmission of zoonoses

Reservoir hosts
Rykovskii, A. S., 1974, Trudy Gel'mint. Lab., Akad. Nauk SSSR, v. 24, 144-152
helminth fauna composition in wild ungulates in agricultural and forestry conditions, possible source of livestock infection, review, suggested measures for control: European part of SSSR

Reservoir hosts
Schawalder, P., 1977, Kleintier-Praxis, v. 22 (6), 237-246
leishmaniasis, dog and cat as reservoir hosts for human infection, indigenous cases, public health importance, symptoms, clinical course, diagnosis, treatment: Switzerland

Reservoir hosts
Sherlock, I. A.; Muniz, T. M.; and Almeida, S. P., 1974, Rev. Soc. Brasil. Med. Trop., v. 8 (5), 267-269
Trypanosoma cruzi, guinea pigs (Cavia porcellus) found naturally infected in house infested with Panstrongylus megistus vectors, possible epidemiologic importance of guinea pigs as reservoirs if bred domestically in endemic areas: State of Bahia, Brazil

Reservoir hosts
Snow, W. F.; and Boreham, P. F. L., 1979, Acta Trop., v. 36 (1), 47-51
Phacochoerus aethiopicus appears to be major maintenance host for Glossina morsitans submorsitans as well as potential reservoir of trypanosomiasis: The Gambia

Reservoir hosts
Sousa, O. E., 1972, Rev. Biol. Trop., v. 20 (2), 167-179
Trypanosoma cruzi, T. rangeli, epidemiologic survey, vectors, reservoir hosts: Panama

Reservoir hosts
Spielman, A.; Piesman, J.; and Etkind, P., 1977, J. N. York Entom. Soc., v. 85 (4), 214-216
Babesia microti, human, survey of reservoir hosts and tick vector Ixodes sp. nr. scapularis: Nantucket and nearby islands

Reservoir hosts
Vrablic, J.; and Hoklova, R., 1978, Veterinarstvi, v. 28 (12), 542-544
Toxoplasma gondii, cat (exper.), course of infection, stages found; epidemiologically important reservoir host

Reservoir hosts
Whitlaw, J. T., jr.; and Chaniotis, B. N., 1978, Am. J. Trop. Med. and Hyg., v. 27 (5), 873-881
Trypanosoma cruzi, ecological survey of triatomine vectors disclosed close association of Rhodnius pallescens and Triatoma dimidiata with widely distributed palm tree species; Didelphis marsupialis, Tamandua tetradactyla, and Proechimys semispinosus seem to be principal animal reservoirs: Panama

Reservoir hosts
Young, A. S.; et al., 1978, Tropenmed. u. Parasitol., v. 29 (3), 281-288
theilerial parasites, incidence in Syncerus caffer, role as reservoir of cattle pathogenic theilerioses in East Africa

Residues. [See also Pharmacology]

Residues
Banerjee, N. C.; et al., 1979, Indian Poultry Gaz., v. 63 (1), 19-21
sulfaphenazole, blood level, biological half life, volume distribution, and tissue dispersion in poultry, possible public health hazard

Residues
Czegledi-Janko, G.; Balla, J.; and Toth, L., 1977, Acta Vet., Budapest, v. 26 (4), 1976, 445-453
rigecoccin, very low residues in organs of broiler chickens after long-term treatment

Residues
Dedek, W.; et al., 1978, Arch. Exper. Vet.-Med., v. 32 (6), 951-955
rafoxanide, metabolism, residues and excretion in blood, milk, meat, and urine of lactating cows

Residues
Delak, M.; and Radokovic, M., 1978, Vet. Arhiv, Zagreb, v. 48 (1), 17-22
Fasciola hepatica from bile ducts of cattle, and bovine liver samples, amount of contamination with DDT, γ-HCH, and α-HCH

Residues
Eschle, J. L.; et al., 1973, J. Econom. Entom., v. 66 (1), 290-291
Haematobia irritans, dairy cattle, effectiveness of coumaphos on cable-type backrubbers, no residues detected in milk

Residues
Guerra, M. de O.; et al., 1974, Rev. Ginec. e Obst., Sao Paulo, v. 131 (9-10), 241-245
administration of schistosomal drug hycanthone to lactating rats, offspring had decreased liver weight and evidence of liver damage, possible excretion of drug or its metabolites into mother's milk or alteration of milk metabolism by drug

Residues
Gupta, R. C.; and Sud, S. C., 1978, Indian J. Animal Research, v. 12 (2), 91-96
sulphaquinoxaline, poultry, concentration levels in blood and urine

Residues
Hunt, L. M.; Gilbert, B. N.; and Lemeilleur, C. A., 1979, Poultry Science, v. 58 (5), 1197-1201
^{14}C-labeled permethrin, distribution and depletion of radioactivity in hens treated dermally and in their eggs

Residues
Iamov, V. Z., 1977, Veterinariia, Moskva (9), 64-67
[Hypoderma], cattle, ricifon effective, no toxic effects; toxicity tested in white mice; tissues of calves and cow's milk tested for residues

Residues
Ivey, M. C., 1979, J. Econom. Entom., v. 72 (6), 909-911
chlorpyrifos and its metabolite 3,5,6-trichloro-2-pyridinol, residues in body tissues of cattle wearing impregnated plastic ear tags

Residues
Ivey, M. C.; et al., 1972, J. Econom. Entom., v. 65 (6), 1647-1649
chlorpyrifos and oxygen analogue, residues in body tissues of dipped cattle

Residues
Ivey, M. C.; and Palmer, J. S., 1979, J. Econom. Entom., v. 72 (6), 837-838
chlorpyrifos and its metabolite 3,5,6-trichloro-2-pyridinol, residues in swine after pour-on application for control of Haematopinus suis and Sarcoptes scabiei

Residues
Ivey, M. C.; Palmer, J. S.; and Hooten, E. C., 1978, J. Econom. Entom., v. 71 (4), 697-700
residues of chlorpyrifos and its metabolite 3,5,6-trichloro-2-pyridinol (pyridinol) were found in body tissues of Hereford yearlings after wearing chlorpyrifos-impregnated ear bands

Residues
Jones, L. D.; and Cook, J., 1978, Vet. and Human Toxicol., v. 20 (2), 81-82
sodium fluoride, swine, anthelmintic dose, no significant increase in fluoride concentration in tissues

Residues
Keating, M. I., 1978, Bull. Animal Health and Prod. Africa, v. 26 (4), 285-292
excretion of toxaphene and dioxathion in milk of dairy cows

Residues
Milhaud, G.; Pinault, L.; and Bouchez, N., 1978, Rec. Med. Vet., v. 154 (1), 43-47
cambendazole, slaughterhouse ruminants, cattle, residues in meat and offal

Residues
Miller, R. W.; and Gordon, C. H., 1973, J. Econom. Entom., v. 66 (1), 135-138
rabon, feeding to dairy cows over extended periods, no adverse effects on general health or reproductive performance, negligible milk and tissue residues

Residues
Nepoklonov, A. A.; and Zabolotnyi, K. F., 1978, Veterinariia, Moskva (3), 99-100
warbex, method for analyzing meat and milk for residues

Residues
Ryan, J. J.; et al., 1979, J. Environ. Quality, v. 8 (3), 439-442
clopidol transferred to lambs by feeding chicken waste, did not appear to accumulate in lamb tissues or faeces

Residues
Ryan, J. J.; and McLeod, H. A., 1979, Residue Rev., v. 71, 1-82
veterinary drugs (including anthelmintics, antiprotozoals, systemic pesticides), chemical methods for analysis of residues in foods of animal origin, review

Residues
Stoianova-Radoeva, S., 1978, Vet. Med. Nauki, v. 15 (4), 79-85
acedist, dovenix, treated sheep, residues in milk, effect on blood biochemical indices

Residues
Winchester, R. V., 1978, N. Zealand J. Sc., Wellington, v. 21 (4), 553-555
coccidiostats aklomide and zoalene, residues in poultry meat, determination method

Resistance, Drug
Agarwal, K.; Puri, S. K.; and Dutta, G. P., 1979, Indian J. Med. Research, v. 69, 577-582
Plasmodium berghei, rats, selection of pyrimethamine resistant strain by interrupted subcurative therapy (gradually increasing doses during serial passage); cross sensitivity to other antimalarials

Resistance, Drug
Al Tawil, N., 1977, J. Trop. Med. and Hyg., v. 80 (12), 230-237
Plasmodium falciparum, strain resistant to chloroquine therapy discovered in Vientiane, Lao People's Democratic Republic

Resistance, Drug
Andrade, S. G.; et al., 1975, Rev. Inst. Med. Trop. S. Paulo, v. 17 (6), 380-389
Trypanosoma cruzi, mice, Peruvian or Colombian strain, Bay 2502, results varied with strain, suggestions for future research

Resistance, Drug
Andrade, S. G.; Andrade, Z. A.; and Figueira, R. M., 1977, Rev. Inst. Med. Trop. S. Paulo, v. 19 (2), 124-129
Trypanosoma cruzi, Colombian strain, drug resistance, Bay 2502-treated mice

Resistance, Drug
Augustine, P. C.; Vetterling, J. M.; and Doran, D. J., 1977, Proc. Helminth. Soc. Washington, v. 44 (2), 147-149
Eimeria tenella, comparison of amprolium- and buquinolate-resistant strains to a drug-sensitive strain with respect to (1) oocyst production in chicks and (2) infectivity, rate of development, and oocyst production in primary chick kidney cell cultures

Resistance, Drug
Blommers, L.; and van Lennep, M., 1978, Entom. Exper. et Applic., v. 23 (3), 243-251
Pediculus humanus capitis, school children, field trials with lindane, laboratory tests with lindane, dieldrin, and malathion, presence of resistance to lindane confirmed: Netherlands

Resistance, Drug
Boersema, J. H., 1978, Tijdschr. Diergeneesk., v. 103 (7), 377-380
Chorioptes bovis, horse with foot-mange, resistant to coumaphos, lindane successful

Resistance, Drug
Cardenas Santiuste, C.; Rizo, F.; and Brooks, R. W., 1972, Rev. Cubana Cirug., v. 11 (1), 19-24
Ascaris lumbricoides, infection in child resulting in intestinal occlusion and perforation of Meckel's diverticulum, post-surgical therapy with piperazine unsuccessful as Ascaris continued to appear in feces up to one year later: Cuba

Resistance, Drug
Chapman, H. D., 1978, Parasitology, v. 76 (2), 177-183
Eimeria tenella, Houghton strain, experimental development of resistance to amprolium, clopidol, and methyl benzoquate

Resistance, Drug
Chapman, H. D., 1979, Avian Path., v. 8 (2), 181-186
Eimeria maxima in chickens (exper.), sensitivity to monensin of field isolates from monensin-exposed vs. unexposed sites, low level resistance may have developed as a result of previous drug exposure

Resistance, Drug
Chongsuphajaisiddhi, T.; et al., 1979, Southeast Asian J. Trop. Med. and Pub. Health, v. 10 (1), 132-137
falciparum malaria, children, chloroquine resistance, efficacy of quinine and fansidar, clinical study: Thailand

Resistance, Drug
Cole, M. M.; et al., 1973, J. Econom. Entom., v. 66 (1), 118-119
Pediculus h. humanus, strain from Burundi, resistance to malathion and 6 other insecticides

Resistance, Drug
Coles, G. C.; Briscoe, M. G.; and Simpkin, K. G., 1979, Vet. Rec., v. 105 (20), 470
Haemonchus contortus, Trichostrongylus colubriformis, benzimidazole resistant and susceptible strains, lambs, levamisole activity

Resistance, Drug
DeVaney, J. A., 1978, Poultry Science, v. 57 (5), 1217-1220
ectoparasites of poultry, results of national questionnaire survey to determine presence, economic importance, drug resistance, and future research needs: United States

Resistance, Drug
Dias, L. C. de S.; et al., 1978, Rev. Saude Pub., S. Paulo, v. 12 (1), 110
Schistosoma mansoni, isolation of strain resistant to hycanthone and to oxamniquine

Resistance, Drug
Do Duong Thai; and Nguyen Tuyet Mai, 1973, Rev. Med., Hanoi, 165-168
Ascaris lumbricoides, laboratory studies on drug resistance to anthelmintics (ascaridin used in experiments), finding that sex of worm, maturity of worm, and drug concentrations all influenced reactions to drugs

Resistance, Drug
Drudge, J. H.; Lyons, E. T.; and Tolliver, S. C., 1979, Am. J. Vet. Research, v. 40 (4), 590-594
large and small strongyles, horses, critical tests with 6 benzimidazoles, drug resistance

Resistance, Drug
Edgar, S. A.; and Flanagan, C., 1979, Poultry Science, v. 58 (6), 1469-1475
Eimeria spp. (recent field isolates resistant to various drugs), chickens, halofuginone, action cidal rather than static

Resistance, Drug
Edgar, S. A.; and Flanagan, C., 1979, Poultry Science, v. 58 (6), 1476-1482
Eimeria spp. (recent field isolates resistant to various drugs), halofuginone with roxarsone and/or bacitracin MD

Resistance, Drug
Eke, R. A., 1979, Am. J. Trop. Med. and Hyg., v. 28 (6), 1074-1075
Plasmodium falciparum, possible chloroquine-resistant strain, recrudescence of infection in 42-year-old hospital worker after chloroquine therapy, radical cure with sulfadiazine and pyrimethamine: Nigeria

Resistance, Drug
Entner, N., 1979, J. Protozool., v. 26 (2), 324-328
Entamoeba histolytica, emetine binding to ribosomes, inhibition of protein synthesis and amebicidal action, capacity to bind emetine is index of drug resistance

Resistance, Drug
Ferraroni, J. J.; and Hayes, J., 1979, Am. J. Trop. Med. and Hyg., v. 28 (5), 909-911
Plasmodium falciparum outbreak among indigenous indian tribe, 3 cases resistant to chloroquine responded favorably to fansidar therapy: Uauaris, Territory of Roraima, Brazil

Resistance, Drug
Ferraroni, J. J.; Waki, S.; and Suzuki, M., 1977, Acta Amazonica, v. 7 (1), 147-148
Plasmodium falciparum, humans, chloroquine resistance, confirmed in vitro: Manaus, Amazonas

Resistance, Drug
Fitch, C. D.; Chan, R. L.; and Chevli, R., 1979, Antimicrob. Agents and Chemotherapy, v. 15 (2), 258-262
Plasmodium berghei, undiminished mefloquine accumulation by erythrocytes infected with chloroquine-resistant strain provides explanation for superiority of mefloquine in treating chloroquine-resistant malaria, but competition observed between chloroquine and mefloquine raises possibility that same process of accumulation serves both drugs

Resistance, Drug
Fitch, C. D.; Chevli, R.; and Gonzalez, Y., 1974, Antimicrob. Agents and Chemotherapy, v. 6 (6), 757-762
Plasmodium falciparum, Aotus trivirgatus erythrocytes infected with chloroquine-susceptible vs. chloroquine-resistant strain, effect of substrate (glucose) on chloroquine and amodiaquin accumulation

Resistance, Drug
Fitch, C. D.; Ng, R. C. K.; and Chevli, R., 1978, Antimicrob. Agents and Chemotherapy, v. 14 (2), 185-193
Plasmodium berghei, evidence that erythrocyte surface components determine affinity with which chloroquine is accumulated and thereby determine whether or not the malaria parasite will be susceptible to the drug

Resistance, Drug
Fogh, S.; Jepsen, S.; and Effersøe, P., 1979, Tr. Roy. Soc. Trop. Med. and Hyg., v. 73 (2), 228-229
Plasmodium falciparum, chloroquine resistant strain in non-immune male, treatment with fansidar terminated infection: Danish tourist to Kenya

Resistance, Drug
Forsgren, A.; and Forssman, L., 1979, Brit. J. Vener. Dis., v. 55 (5), 351-353
Trichomonas vaginalis, 35-year-old woman, symptomatic metronidazole-resistant vaginitis for 10 years, some resistance also to tinidazole and ornidazole: Sweden

Resistance, Drug
Giannone, R., 1973, Rev. Brasil. Med., v. 30 (9), 604-605
Trichomonas vaginalis, increasing resistance to metronidazole in parasite strains isolated in the Lombardy area of Italy

Resistance, Drug
Glew, R. H.; Collins, W. E.; and Miller, L. H., 1978, Am. J. Trop. Med. and Hyg., v. 27 (1, pt. 1), 9-13
Plasmodium falciparum, selection of increased quinine resistance in Aotus monkeys

Resistance, Drug
Godoy, G. A.; et al., 1975, Rev. Inst. Med. Trop. S. Paulo, v. 17 (1), 38-48
Plasmodium falciparum, humans, grade I chloroquine resistant strains: Bolivar State, Venezuela

Resistance, Drug
Goszczynska, K.; and Styczynska, B., 1972, Roczniki Panstwow. Zakl. Hig., v. 23 (2), 245-251
Pediculus humanus humanus, selection of laboratory strain reared through several generations aimed at induction of resistance to DDT and lindane; resistance developed to DDT but not to lindane

Resistance, Drug
Grillo Torrado, J. M.; and Perez Arrieta, A., 1977, Rev. Med. Vet., Buenos Aires, v. 58 (2), 101-102, 105
Boophilus microplus, new strain 22, strain G, phosphorus-resistance to various acaricides compared; acetylcholinesterase activity of strain 22 was markedly less than that of strain G

Resistance, Drug
Grillo Torrado, J. M.; and Perez Arrieta, A., 1977, Rev. Med. Vet., Buenos Aires, v. 58 (4), 309-310, 313-314, 317-318, 321-322
Boophilus microplus, strain B, inheritance of phosphorus resistance to delnav is genetically conditioned

Resistance, Drug
Guimaraes, R. X.; et al., 1979, AMB, Rev. Ass. Med. Brasil., v. 25 (2), 48-50
Schistosoma mansoni, human hepato-intestinal form, resistance to hycanthone and oxamniquine: Brazil

Resistance, Drug
Gunawan, M.; et al., 1979, Research Vet. Sc., v. 27 (1), 111-115
Haemonchus contortus, Trichostrongylus colubriformis, efficacies of fenbendazole and albendazole against developing and adult stages of benzimidazole-resistant strains, sheep (exper.)

Resistance, Drug
Hall, C. A.; et al., 1978, Research Vet. Sc., v. 25 (3), 364-367
Haemonchus contortus, Trichostrongylus colubriformis, resistant strains selected with thiabendazole, dose response lines for 8 benzimidazole anthelmintics and thiophanate

Resistance, Drug
Hall, C. A.; Campbell, N. J.; and Richardson, N. J., 1978, Research Vet. Sc., v. 25 (3), 360-363
Haemonchus contortus, Trichostrongylus colubriformis, levels of benzimidazole resistance recorded from an egg hatch test procedure

Resistance, Drug
Hammant, C. A., 1977, Rhodesian Vet. J., v. 8 (4), 67-70
ticks, resistance survey of field strains to commonly used ixodicides, changeover from arsenic to dioxathion dipping of cattle, dramatic improvement in tick control, necessitates complete overhaul of dipping facilities and retraining of personnel: Tribal Trust Lands of Rhodesia

Resistance, Drug
Hammant, C. A.; and Matthewson, M. D., 1977, Rhodesian Vet. J., v. 8 (4), 71-73
Boophilus decoloratus, possible spread of organophosphate-resistant strain, cattle, case history, implications for control of ticks and tick-borne diseases: Rhodesia

Resistance, Drug
Hopkins, T. J.; and Rafferty, M., 1978, Vet.-Med. Nachr. (2), 160-168
nematodes, sheep, febantel, drug trials, cross-resistance of thiabendazole-resistant strains of Haemonchus contortus and Trichostrongylus colubriformis: Australia

Resistance, Drug
Injeyan, H.; Huebner, E.; and Meerovitch, E., 1979, J. Protozool., v. 26 (2), 253-259
Entamoeba sp. (Laredo isolate), morphologically distinct colchicine-resistant variant, properties compared to those of parent strain

Resistance, Drug
Jadin, J.; Timperman, G.; and De Ruysser, F., 1975, Ann. Soc. Belge Med. Trop., v. 55 (6), 603-608
Plasmodium b. berghei, pyrimethamine-resistant strain preserved at very low temperature for 11 years, maintained virulence but lost drug resistance, gametocytogenesis increased, cyclical transmission was successful, parasites crossed blood-brain barrier indicating this strain could serve as laboratory model for P. falciparum cerebral malaria

Resistance, Drug
Jeffers, T. K., 1978, Avian Dis., v. 22 (1), 157-161
Eimeria tenella isolants obtained from monensin-treated flocks, monensin sensitivity tests revealed no monensin-resistant isolants

Resistance, Drug
Joyner, L. P.; and Norton, C. C., 1978, Parasitology, v. 76 (3), 369-377
Eimeria maxima, activity of methyl benzoquate and clopidol, synergy shown to be supra-additive, collateral sensitivity could not be demonstrated in resistant lines, effect of Lerbek against standard and drug-resistant lines, resistance transfer experiments with clopidol- and methyl benzoquate-resistant lines, preparation of bi-resistant lines, attempts to develop Lerbek-resistant strain

Resistance, Drug
Katz, N.; et al., 1973, Rev. Soc. Brasil. Med. Trop., v. 7 (6), 381-387
Schistosoma mansoni, isolation of drug resistant strain (WW strain), reactions in mice to therapy with hycanthone, niridazole and oxamniquine compared with reactions of LE drug sensitive strain

Resistance, Drug
Kaufmann, E., 1977, Rev. Franc. Gynec. et Obst., v. 72 (1), 33-35
Trichomonas vaginalis, round strain of parasite thought to be particularly virulent and resistant to various trichomonacides, therapy trials with fasigyne 500, varying treatment results

Resistance, Drug
Kean, B. H., 1979, J. Am. Med. Ass., v. 241 (4), 395
Plasmodium falciparum, chloroquine-resistance, 2 case reports of people having travelled in Africa

Resistance, Drug
Kelly, J. D.; et al., 1978, Research Vet. Sc., v. 25 (3), 376-385
Haemonchus contortus, effect of changes in genetic constitution associated with development of benzimidazole resistance on physiological characteristics of parasitic and free-living stages (infectivity, pathogenicity, exsheathment response, etc.)

Resistance, Drug
Khan, A. A.; and Maguire, M. J., 1978, Brit. Med. J. (6128), v. 1, 1669-1670
P[lasmodium] falciparum, chloroquine-resistant strain reported in young child, therapy with doxycycline + chloroquine resulted in cure: Zambia

Resistance, Drug
Koontz, L. C.; et al., 1979, Exper. Parasitol., v. 48(2), 206-212
Plasmodium berghei, mice infected with clindamycin-resistant parasites, uptake of clindamycin and its metabolites by erythrocytes, impaired uptake is not mechanism of resistance

Resistance, Drug
Krylov, M. V.; et al., 1975, Parazitologiia, Leningrad, v. 9 (1), 82-91
Eimeria tenella, mechanisms of resistance to glycamide

Resistance, Drug
Krylov, V. F., 1978, Veterinariia, Moskva (10), 68-69
Eimeria tenella strain resistant to pharmcoccid after 35 laboratory passages in chickens, cross-resistance only to rigecoccin

Resistance, Drug
Kutzman, R. S.; and Roberts, J. F., 1978, Comp. Biochem. and Physiol., v. 61C (1), 141-145
Crithidia fasciculata, adaptation to growth in presence of carbonyl cyanide m-chlorophenylhydrazone is apparently a physiological and not a genetic phenomenon, retention of this [illegible]

Resistance, Drug
Lee, E. H., 1979, Canad. Vet. J., v. 20 (4), 102-104
Eimeria tenella, drug-resistant field strains, White Leghorn chickens, single and low-level oocyst infections, treatment with robenidine or decoquinate

Resistance, Drug
Le Jambre, L. F., 1979, Austral. Vet. J., v. 55 (2), 65-67
Ostertagia circumcincta, O. trifurcata, sheep (exper.), effectiveness of levamisole, thiabendazole, albendazole, and oxfendazole against levamisole-resistant strains

Resistance, Drug
Le Jambre, L. F.; and Martin, P. J., 1979, Vet. Sc. Commun., v. 3 (2), 153-158
levamisole resistant Ostertagia circumcincta and O. trifurcata, sheep, cross resistant to morantel tartrate but not to naphthalophos

Resistance, Drug
Le Jambre, L. F.; Martin, P. J.; and Webb, R. F., 1979, Austral. Vet. J., v. 55 (4), 163-166
Haemonchus contortus, thiabendazole resistance in field populations, use of egg hatch assay to detect low but significant levels of resistance: Northern Tablelands of New South Wales

Resistance, Drug
Le Jambre, L. F.; Royal, W. M.; and Martin, P. J., 1979, Parasitology, v. 78 (2), 107-119
Haemonchus contortus, thiabendazole resistance is inherited as an autosomal and semi-dominant trait

Resistance, Drug
Le Jambre, L. F.; Southcott, W. H.; and Dash, K. M., 1978, Austral. Vet. J., v. 54 (12), 570-574
Trichostrongylus colubriformis, linear dose responses of selected and unselected strains to thiabendazole, levamisole, and morantel tartrate

Resistance, Drug
Le Jambre, L. F.; Southcott, W. H.; and Dash, K. M., 1978, Internat. J. Parasitol., v. 8 (6), 443-447
Ostertagia circumcincta, development of simultaneous resistance to thiabendazole, morantel tartrate, and levamisole, multiple selection associated with increase in O. trifurcata in population and increase in larval inhibition

Resistance, Drug
Lopez Antunano, F. J.; and Wernsdorfer, W. H., 1979, Bull. World Health Organ., v. 57 (4), 663-665
chloroquine-resistant Plasmodium falciparum, in vitro response to mefloquine, microtechnique system

Resistance, Drug
[illegible]

Resistance, Drug
Lourens, J. H. M.; and van de Klashorst, G., 1979, Ztschr. Ang. Entom., v. 87 (3), 230-238
Rhipicephalus appendiculatus, organochlorine susceptible and tolerant populations: East Africa

Resistance, Drug
Lourens, J. H. M.; and Lyaruu, D. M., 1979, PANS, v. 25 (2), 135-142
Rhipicephalus appendiculatus, susceptibility of organochlorine susceptible and resistant East African strains to ten cholinesterase inhibiting acaricides

Resistance, Drug
Lourens, J. H. M.; and Tatchell, R. J., 1979, Bull. Entom. Research, v. 69 (2), 235-242
Rhipicephalus evertsi evertsi, identification and inheritance of resistance factors to organochlorine acaricides, experimental hybrids between susceptible and resistant strains

Resistance, Drug
McLoughlin, D. K.; and Chute, M. B., 1978, J. Parasitol., v. 64 (5), 874-877
Eimeria tenella, chickens, robenidine protected against cecal coccidiosis initiated by parasite strain with no previous drug exposure, no cross resistance found with 13 strains resistant to other anticoccidials, when the sensitive strain was serially propagated in chickens medicated with robenidine it became resistant, no cross resistance found when this experimental strain was tested against 12 other anticoccidials

Resistance, Drug
Martin, P. J.; and Le Jambre, L. F., 1979, Vet. Sc. Commun., v. 3 (2), 159-164
Ostertagia circumcincta, O. trifurcata, larval paralysis as in vitro assay of levamisole and morantel tartrate resistance

Resistance, Drug
Meingassner, J. G.; et al., 1978, Antimicrob. Agents and Chemotherapy, v. 13 (1), 1-3
Tritrichomonas foetus, metronidazole-resistant and susceptible strains, in vitro susceptibility testing, results suggest that the two strains differ in regulation of internal redox systems and underscore the role that testing methods may play in the in vitro detection of nitroimidazole-resistant protozoan parasites

Resistance, Drug
Meingassner, J. G.; and Thurner, J., 1979, Antimicrob. Agents and Chemotherapy, v. 15 (2), 254-257
Trichomonas vaginalis, isolation of strain resistant to metronidazole and other 5-nitroimidazoles

Resistance, Drug
Mogollon, J. D.; and Molina, T. de P., 1977, Rev. Inst. Colomb. Agropec, v. 14 (4), 473-488
Eimeria tenella field strain, sensitivity against 3 anticoccidial drugs

Resistance, Drug
Neves, J.; and Moura, H. B., 1972, Rev. Inst. Med. Trop. S. Paulo, v. 14 (2), 126-130
Plasmodium falciparum, P. vivax, prevalence survey in hospital patients, discussion of changes in prevalence with introduction of chloroquine resistant strains of P. falciparum, treatment trials with various malarial drugs: Brazil

Resistance, Drug
Nguyen-Dinh, P.; and Trager, W., 1978, Science (4348), v. 200, 1397-1398
Plasmodium falciparum, African strain, production of chloroquine resistance in vitro

Resistance, Drug
Nolan, J.; Roulston, W. J.; and Schnitzerling, H. J., 1979, Austral. Vet. J., v. 55 (10), 463-466
Boophilus microplus, range of resistant strains on naturally and experimentally infected cattle, field and stall spraying trials, efficacy of synthetic pyrethroids for tick control, potentiation of pyrethroids by organo-phosphorus compounds

Resistance, Drug
Norton, C. C.; and Joyner, L. P., 1978, Parasitology, v. 77 (3), 243-248
Eimeria maxima, development of resistance to Lerbek, appearance of and subsequent selection for abnormal bisporocystic oocysts

Resistance, Drug
Omer, A. H. S., 1978, Am. J. Trop. Med. and Hyg., v. 27 (5), 853-857
Plasmodium falciparum, human, clinical trial of response to chloroquine, little evidence of resistance: Gezira and Bor areas, Sudan

Resistance, Drug
Panitz, E., 1979, Parasitology, v. 78 (1), 33-40
Eimeria spp., chicks, anticoccidial efficacy and cross-resistance patterns of N,N'-bis (3,4 ditrifluoromethylphenyl) methylmalonamide compound have no practical application because of weight gain depression

Resistance, Drug
Pedro, R. de J.; et al., 1979, Rev. Brasil. Pesqui. Med. e Biol., v. 12 (2-3), 207-211
Schistosoma mansoni, observations on oxamniquine therapy: treatment of children, drug resistance of human strain as well as its resistance to hycanthone, hepatic histopathology during therapy, neurotoxic effects, treatment of mixed salmonellosis infection

Resistance, Drug
Peters, W., 1974, Ciba Found. Symp., n.s. (20), 309-334
trypanosomiasis, leishmaniasis, drug resistance, review

Resistance, Drug
Petrovski, V., 1978, Vet. Sbirka, v. 76 (2), 34-39
parasites, resistance to chemical agents, modern aspects, brief review

Resistance, Drug
Pfefferkorn, E. R.; and Pfefferkorn, L. C., 1978, J. Parasitol., v. 64 (3), 486-492
Toxoplasma gondii, lack of adenosine kinase is biochemical basis for resistance to adenine arabinoside in mutant

Resistance, Drug
Pillay, N.; and Bhoola, R. L., 1975, South African Med. J., v. 49 (35), 1443-1444
Plasmodium falciparum, woman, case report, probable resistance to chloroquine, successfully treated with quinine: South Africa (had recently returned from Mozambique)

Resistance, Drug
Prichard, R. K.; Kelly, J. D.; and Thompson, H. G., 1978, Vet. Parasitol., v. 4 (3), 243-255
Haemonchus contortus, Trichostrongylus colubriformis, sheep, thiabendazole, fenbendazole, concentrations of anthelmintics or their radiolabelled metabolites in parasite tissues after administration to host, differences between amount of each anthelmintic incorporated by susceptible and resistant parasite strains and between the two parasites, effect of route of administration on anthelmintic concentration in parasite tissue and host plasma

Resistance, Drug
Rawlins, S. C.; and Mansingh, A., 1978, J. Econom. Entom., v. 71 (6), 956-960
Boophilus microplus, 6 Jamaican strains, patterns of resistance to acaricides

Resistance, Drug
Ray, A. P.; Parkinson, A. D.; and Black, R. H., 1979, Ann. Trop. Med. and Parasitol., v. 73 (1), 19-22
Plasmodium berghei in chloroquine resistant white mice, results of treatment with combinations of proguanil and dapsone

Resistance, Drug
Reich, C. I.; et al., 1978, Exper. Parasitol., v. 44 (1), 50-55
Boophilus microplus, 2 Argentinian strains, one resistant and one sensitive to organophosphate acaricides, differences in cholinesterase system

Resistance, Drug
Rollinson, D.; Joyner, L. P.; and Norton, C. C., 1979, Parasitology, v. 78 (3), 361-367
Eimeria maxima (Weybridge) and E. maxima (indentata) were distinguished by electrophoretic mobility of phosphoglucomutase, this enzyme was used as marker to detect genetic transfer of methyl benzoquate resistance between resistant and sensitive lines of these parasites

Resistance, Drug
Rosario, V. E.; et al., 1978, Lancet, London (8057), v. 1, 185-187
Plasmodium chabaudi, infection of mice with mixtures of drug-resistant (pyrimethamine or chloroquine) and drug sensitive strains, resulting infections were maintained in absence of drugs with some persistence of resistant forms over sensitive forms

Resistance, Drug
Rumans, L. W.; Dennis, D. T.; and Atmosoedjono, S., 1979, Lancet, London (8142), v. 2, 580-581 [Letter]
Plasmodium falciparum, fansidar-resistant malaria in case also resistant to chloroquine: Indonesia

Resistance, Drug
Ryley, J. F.; and Hardman, L., 1978, J. Parasitol., v. 64 (5), 878-881
Eimeria acervulina, E. mivati, speciation studies (cross-immunity and drug resistance studies), some immunological relationship was demonstrated but the failure of the 2 organisms to interbreed in the drug resistance studies lends support to status of E. mivati as distinct species

Resistance, Drug
Salles, A. de A.; et al., 1977, Rev. Ginec. e Obst., Sao Paulo, v. 134 (3-4), 59-64
Trichomonas vaginalis, identification of "still" forms of parasites after therapy with single dose tinidazole, possible drug resistance in persons thought to be cured, need for treatment of sexual partners as additional precaution

Resistance, Drug
Sangster, N. C.; et al., 1979, Research Vet. Sc., v. 26 (1), 85-89
Trichostrongylus colubriformis, Haemonchus contortus, benzimidazole-resistant strains, sheep (exper.), efficacy of fenbendazole given as single or divided dose

Resistance, Drug
Sangster, N. C.; et al., 1979, Research Vet. Sc., v. 27 (1), 106-110
Trichostrongylus colubriformis, Ostertagia circumcincta, Merino and crossbred sheep, field observations and preliminary critical trials showed varying degrees of drug resistance to levamisole hydrochloride, morantel tartrate, and thiabendazole; differences in infectivity and drug efficacy between breeds: Australia

Resistance, Drug
Santiago, M. A. M.; da Costa, U. C.; and Benevenga, S. F., 1977, Rev. Centro Cien. Rurais, v. 7 (4), 421-422
Trichostrongylus colubriformis, levamisole-resistant strain in lambs

Resistance, Drug
Santiago, M. A. M.; da Costa, U. C.; and Benevenga, S. F., 1978, Rev. Centro Cien. Rurais, v. 8 (1), 35-38
Haemonchus contortus, thiabendazole-resistant strain, sheep, fenbendazole

Resistance, Drug
Santiago, M. A. M.; da Costa, U. C.; and Benevenga, S. F., 1978, Rev. Centro Cien. Rurais, v. 8 (3), 257-261
Trichostrongylus colubriformis, levamisole resistant strain, sheep, dl-tetramisole, thiabendazole: Itaqui county, RS

Resistance, Drug
Schmidt, L. H., 1978, Am. J. Trop. Med. and Hyg., v. 27 (4), 718-737
Plasmodium falciparum and P. vivax in Aotus trivirgatus griseimembra, methods employed in search for new blood schizonticidal drugs

Resistance, Drug
Schmidt, L. H., 1979, Am. J. Trop. Med. and Hyg., v. 28 (5), 793-807
Plasmodium falciparum and P. vivax in Aotus trivirgatus griseimembra, strains resistant to chloroquine, quinine, or pyrimethamine, antimalarial properties of selected 2,4-diamino-6-substituted quinazolines

Resistance, Drug
Schmidt, L. H., 1979, Am. J. Trop. Med. and Hyg., v. 28 (5), 808-818
Plasmodium falciparum, P. vivax, various drug-resistant and drug-susceptible strains in Aotus trivirgatus griseimembra, capacity of sulfadiazine to enhance activities of WR-158,122 and WR-159,412

Resistance, Drug
Schmidt, L. H.; et al., 1977, Antimicrob. Agents and Chemotherapy, v. 11 (5), 826-843
Plasmodium falciparum in Aotus trivirgatus, activities of various 4-aminoquinolines against chloroquine-resistant and -susceptible strains, observations confirm cross-resistance among 4-aminoquinolines but indicate that some derivatives may be therapeutically effective against infections refractory to maximally tolerated doses of chloroquine

Resistance, Drug
Schuntner, C. A.; and Thompson, P. G., 1978, Austral. J. Biol. Sc., v. 31 (4), 317-325
Boophilus microplus, mechanisms of resistance of 2 strains to bromophos-ethyl

Resistance, Drug
Seilhamer, J. J.; and Byers, T. J., 1978, J. Protozool., v. 25 (4), 486-489
Acanthamoeba castellanii, mutants resistant to erythromycin, chloramphenicol, and oligomycin

Resistance, Drug
Shirley, J. A.; Eykyn, S. J.; and Pearson, T. C., 1979, Brit. Med. J. (6194), v. 2, 834-835
Plasmodium falciparum, occurrence of chloroquine resistant infection in Bangladeshi girl with acute lymphoblastic leukaemia

Resistance, Drug
Shirley, M. W., 1978, Ztschr. Parasitenk., v. 57 (1), 83-87
Eimeria mivati and E. mivati var. diminuta strains differing in sensitivity to sulphaquinoxaline and electrophoretic mobility of lactate dehydrogenase crossed; electrophoretic variation of enzymes a further marker for genetic studies

Resistance, Drug
Simpkin, K. G.; and Coles, G. C., 1978, Research Vet. Sc., v. 25 (2), 249-250
Haemonchus and Trichostrongylus colubriformis in sheep (exper.), instability of egg resistance to benzimidazoles, cross resistance between drugs (thiabendazole, cambendazole, mebendazole, parbendazole, oxibendazole)

Resistance, Drug
Sukhareva-Nemakova, N. N.; Titova, T. S.; and Avakian, A. A., 1975, Izvest. Akad. Nauk SSSR, s. Biol. (2), 275-280
Crithidia oncopelti, comparative study of ultrastructure, cultures differing in sensitivity to olivomycin; lipid drops in cytoplasm of resistant protozoa; nature of action of olivomycin on sensitive parasites

Resistance, Drug
Sutherst, R. W.; et al., 1979, J. Applied Ecol., v. 16 (2), 359-382
Boophilus microplus, cattle, analysis of 3 control methods used separately and in combination (acaricides, pasture spelling, tick-resistant cattle), computer model of tick population: Australia

Resistance, Drug
Sutherst, R. W.; and Comins, H. N., 1979, Bull. Entom. Research, v. 69 (3), 519-540
Boophilus microplus, mathematical models used in analysis of factors that determine optimal strategies for long-term use of chemical control, management of acaricide resistance: south-eastern Queensland, Australia

Resistance, Drug
Thaung, U.; et al., 1978, Southeast Asian J. Trop. Med. and Pub. Health, v. 9 (3), 390-397
X[enopsylla] cheopis, X. astia, collection from small mammals during plague outbreak, some resistance to DDT: Hlegu, Burma

Resistance, Drug
Wang, L. T.; and Yang, S. P., 1971, Taiwan i Hsueh Hui Tsa Chih (J. Formosan Med. Ass.), v. 70 (3), 131-134
Entamoeba histolytica, human, oxytetracycline-resistant amoebic dysentery: Taiwan

Resistance, Drug
Webb, R. F.; Jackson, A. R. B.; and McCully, C. H., 1978, Austral. Vet. J., v. 54 (10), 501-502 [Letter]
Haemonchus contortus, sheep (nat. and exper.), efficiency of various anthelmintics against field populations resistant to thiabendazole, results confirm the usefulness of levamisole, naphthalophos, and rafoxanide for this purpose, haloxon and nitroxynil are also useful chemical alternatives

Resistance, Drug
Webb, R. F.; and McCully, C. H., 1979, Austral. Vet. J., v. 55 (7), 347-348 [Letter]
Haemonchus contortus, sheep, resistance to oxfendazole: New South Wales

Resistance, Drug
Weber, L. J., 1978, Canad. Vet. J., v. 19 (1), 21 [Letter]
Eimeria meleagrimitis, E. adenoides, turkeys, outbreak causing great economic loss despite anticoccidial drug in medicated feed; need for recognizing development of resistant strains of coccidia: Beamsville, Ontario

Resistance, Drug
Whitehead, G. B., 1973, South African Med. J., v. 47 (8), 342-344
ticks, development of resistance to acaricides, review: Eastern Cape Province

Resistance, Drug
Wilson, R. G., 1978, J. South African Vet. Ass., v. 49 (1), 49-51
Boophilus, resistance to ixodicides due to altered site of drug action, altered rate of tick metabolism, and/or altered rate of drug transportation, review

Resistance, Drug
Yawetz, A.; and Agosin, M., 1979, Biochim. et Biophys. Acta, v. 585 (2), 210-219
Trypanosoma cruzi epimastigotes, epoxide hydrase, characterization, may be important in detoxication of drugs

Resistance, Host. [See also Immunity]

Resistance, Host
Ailiarova, S. T., 1973, Parazitologiia, Leningrad, v. 7 (2), 169-174
Entamoeba histolytica strains from patients and from carriers, increase in infection rate and extent of pathological changes in irradiated vs. nonirradiated rats

Resistance, Host
Aitken, M. M.; et al., 1978, J. Comp. Path., v. 88 (3), 433-442
Fasciola hepatica, effects of intravenous Salmonella dublin on cattle at different stages of fluke infection, susceptibility to S. dublin, possible serious effects

Resistance, Host
Altaif, K. I.; and Dargie, J. D., 1978, Parasitology, v. 77 (2), 161-175
Haemonchus contortus, influence of breed and haemoglobin type on clinical and pathophysiological response of sheep to moderate primary infection, concluded that genetic resistance operated primarily against worm establishment and was probably controlled by the immune response elicited, in heavy infections there was no correlation between worm establishment and haemoglobin type

Resistance, Host
Altaif, K. I.; and Dargie, J. D., 1978, Parasitology, v. 77 (2), 177-187
Haemonchus contortus, influence of breed and haemoglobin type on clinical and pathophysiological response of sheep to re-infection (either after primary infection was terminated with anthelmintic or challenge superimposed on existing adult infection), patterns of worm establishment and disease indicated that genetic factors operated in determining resistance, breed but not haemoglobin type appeared to be of some significance in 'self-cure'

Resistance, Host
Altaif, K. I.; and Dargie, J. D., 1978, Research Vet. Sc., v. 24 (3), 391-393
Ostertagia circumcincta, Scottish Blackface sheep of different haemoglobin type, sheep of haemoglobin type A more resistant to infection than type B

Resistance, Host
Anderson, P. H.; Berrett, S.; and Patterson, D. S. P., 1978, J. Comp. Path., v. 88 (2), 245-251
Fasciola hepatica, cattle, resistance to reinfection, increases in plasma glutamate dehydrogenase and gamma-glutamyl transferase activities after first infection but not second, gross pathology of liver, less damage from second infection

Resistance, Host
Anderson, R. M., 1978, Parasitology, v. 77 (2), 201-224
snail infection by miracidia, population framework and Basic Model, rate of infection, infective stage density, host density, role of chance, miracidial mortality and age-dependent infectivity, heterogeneity between snails with respect to susceptibility and 'attractiveness'

Resistance, Host
Anderson, R. M.; Whitfield, P. J.; and Dobson, A. P., 1978, Parasitology, v. 77 (2), 189-200
Transversotrema patialense infections in Brachydanio rerio, overdispersion in distribution of successful infections/host can be generated within laboratory infection arenas, degree of over-dispersion or aggregation of parasites within host population increases as both infective-stage density and time of exposure to infection increases, stochastic simulation studies demonstrate that heterogeneity in host susceptibility to infection is probable generative cause of such patterns, variability in host susceptibility is most probably generated by differences in behavior

Resistance, Host
Andrews, P.; and Meister, G., 1978, Ztschr. Parasitenk., v. 56 (3), 305-308
Fasciola hepatica, mice of various strains, considerable differences in susceptibility and mortality among strains, problem in chemotherapeutic studies, attempt to find strain susceptible to infection but refractory to damage

Resistance, Host
Armstrong, J. C., 1978, Tr. Roy. Soc. Trop. Med. and Hyg., v. 72 (4), 342-344
Plasmodium vivax/ovale, prevalence rates for Nilotic and Hamitic-Semitic populations residing together in small town show that the two ethnic groups are innately different in susceptibility to patent infection with vivax malaria: Ethiopia

Resistance, Host
Barbosa, F. S.; and Figueiredo, T., 1970, Rev. Inst. Med. Trop. S. Paulo, v. 12 (3), 198-206
Schistosoma mansoni strains from northern Brazil, strains of Biomphalaria glabrata experimentally infected proved susceptible to schistosome infections, experimentally infected B. straminea strains were consistently poor vectors

Resistance, Host
Basu, T.; Mukherjee, S.; and Mukherjee, K. L., 1978, Indian J. Med. Research, v. 67, 744-753
Plasmodium coturnixae in Coturnix coturnix and C. coromendelica, host specificity, susceptibility factors, analysis of serum of susceptible and non-susceptible birds

Resistance, Host
Behin, R.; Mauel, J.; and Sordat, B., 1979, Exper. Parasitol., v. 48 (1), 81-91
Leishmania tropica major in various strains of mice, course of infection and size distributions of cutaneous lesions, in vitro macrophage function

Resistance, Host
Benach, J. L.; and Crans, W. J., 1975, J. Med. Entom., v. 12 (2), 209-213
Foleyella flexicauda, differential susceptibility of Culex territans and Aedes triseriatus (both exper.), C. territans tolerance associated with 'gut barrier' phenomenon, infection lethal to A. triseriatus

Resistance, Host
Bianco, A. E.; Nelson, G. S.; and Grant, N. L., 1979, Tr. Roy. Soc. Trop. Med. and Hyg., v. 73 (5), 602 [Letter]
Onchocerca volvulus, failure to develop in Culicoides nubeculosus

Resistance, Host
Bienzle, U.; Guggenmoos-Holzmann, I.; and Luzzatto, L., 1979, Am. J. Trop. Med. and Hyg., v. 28 (4), 619-621
malaria, gene for erythrocyte glucose-6-phosphate dehydrogenase deficiency in heterozygous females confers advantage against malaria: Nigeria

Resistance, Host
Bolbol, A. S.; Hammond, J. A.; and Sewell, M. M. H., 1978, Vet. Sc. Commun., v. 2 (3), 231-235
Fasciola hepatica, rabbits, repeated infections terminated by rafoxanide, host response in terms of resistance, serum glutamic dehydrogenase assays, eosinophil counts, and post-mortem appearance of liver

Resistance, Host
Borda, C. E.; and Pellegrino, J., 1976, Rev. Inst. Med. Trop. S. Paulo, v. 18 (3), 157-164
Schistosoma mansoni, 2 Brazilian strains, susceptibility of Biomphalaria tenagophila and B. glabrata snails from Argentina and Brazil

Resistance, Host
Bradley, D. J., 1977, Clin. and Exper. Immunol., v. 30 (1), 130-140
Leishmania donovani, acute growth rates in 25 inbred mouse strains fall into susceptible and resistant groups, breeding experiments show that single gene or linkage group controls acute susceptibility to this parasite in the mouse

Resistance, Host
Bradley, D. J.; et al., 1979, Clin. and Exper. Immunol., v. 37 (1), 7-14
Leishmania donovani, mapping of locus controlling susceptibility in the mouse

Resistance, Host
Bradley, D. J.; and Kirkley, J., 1977, Clin. and Exper. Immunol., v. 30 (1), 119-129
Leishmania donovani, course of infection and pathology in 7 strains of mice with varying degrees of susceptibility, results demonstrate strong control by genetic constitutions of host and provide model for study of innate and acquired immunity to chronic intracellular parasites

Resistance, Host
Brener, Z., 1971, Rev. Inst. Med. Trop. S. Paulo, v. 13 (3), 171-178
Trypanosoma cruzi, life cycle in vertebrate and invertebrate hosts, influence of parasite strains, host genetic factors, bacterial flora, and parasite morphology on host susceptibility

Resistance, Host
Buchwalder, R.; Hiepe, T.; and Israel, L., 1977, Monatsh. Vet.-Med., v. 32 (23), 898-901
Ascaridia galli, chickens (exper.), age and breed resistance

Resistance, Host
Campbell, N. J.; Kelly, J. D.; and Dineen, J. K., 1978, Vet. Parasitol., v. 4 (4), 317-325
Fasciola hepatica, rats, functional role for gut in development of age resistance demonstrated by comparing number and development of flukes recovered following oral vs. intraperitoneal administration of encysted metacercariae

Resistance, Host
Castelino, J. B.; and Preston, J. M., 1979, Brit. Vet. J., v. 135 (2), 198-203
Fasciola gigantica, cattle, influence of breed and age on prevalence, abattoir survey: Kenya

Resistance, Host
Cawthorn, R. J.; and Anderson, R. C., 1977, Canad. J. Zool., v. 55 (2), 368-375
Physaloptera maxillaris in Acheta pennsylvanicus and Blatella germanica, site of development, survival of larvae, and host cellular reactions

Resistance, Host
Cheng, T. C.; Guida, V. G.; and Gerhart, P. L., 1978, J. Invert. Path., v. 32 (3), 297-302
snail defense mechanisms, Biomphalaria glabrata challenged with bacteria, significant elevations in levels of total serum proteins, levels of lysozyme activity not altered possibly due to age of snails

Resistance, Host
Chieffi, P. P., 1975, Rev. Inst. Med. Trop. S. Paulo, v. 17 (2), 92-96
Schistosoma mansoni, 3 strains, susceptibility of various strains of Biomphalaria tenagophila

Resistance, Host
Chquiloff, M. A. de G.; Scherrer, J. F.; and de Freitas, J. R., 1978, Rev. Inst. Med. Trop. S. Paulo, v. 20 (1), 22-30
Biomphalaria glabrata, reticulate varieties, comparison of pigmented and albino strains, variations in resistance to infection with Schistosoma mansoni miracidia

Resistance, Host
Christie, M. G.; et al., 1978, J. Comp. Path., v. 88 (2), 157-165
Haemonchus contortus, fistulated or non-fistulated sheep, acquired resistance to repeated daily doses of 10,000 infective larvae, no association of resistant state with raised abomasal pH, histology of mucosa after prolonged exposure

Resistance, Host
Chute, A. M.; Lund, E. E.; and Wilkins, G. C., 1977, Proc. Helminth. Soc. Washington, v. 44 (2), 126-130
Histomonas meleagridis, Heterakis gallinarum, experimental infections in Indian Red Jungle Fowl and Light Brahma chickens compared with pheasants, turkeys, and New Hampshire chickens, susceptibility and potential for parasite dissemination

Resistance, Host
Cioli, D.; Blum, K.; and Ruppel, A., 1978, Exper. Parasitol., v. 45 (1), 74-80
Schistosoma mansoni, onset of rejection in laboratory rats is dependent on parasite age and independent of length of contact with host, possible immune and nonimmune mechanisms

Resistance, Host
Civil, R. H.; and Mahmoud, A. A. F., 1978, J. Immunol., v. 120 (3), 1070-1072
Bacillus Calmette-Guerin (BCG) induces non-specific resistance to Schistosoma mansoni in only certain strains of inbred mice, BCG-induced protection does not correlate with increases in spleen weight and is not associated with genes of the major histocompatibility complex of the mouse

Resistance, Host
Civil, R. H.; Warren, K. S.; and Mahmoud, A. A. F., 1978, J. Infect. Dis., v. 137 (5), 550-555
Schistosoma mansoni, mice, non-specific resistance induced by bacille Calmette-Guerin, variables associated with source and strain of BCG, dose, route, and timing of mycobacterial administration, and duration of protection

Resistance, Host
Clark, I. A., 1979, Parasite Immunol., v. 1 (3), 179-196
Babesia microti, mice, protection against subsequent infection by injection of cord factor, COAM, zymosan, glucan, Salmonella, or Listeria

Resistance, Host
Colli, C.; and Schantz, P. M., 1975, Rev. Inst. Med. Trop. S. Paulo, v. 17 (2), 59-68
Echinococcus granulosus, mice and Meriones unguiculatus, effect of egg dose, host age, and host sex on susceptibility to primary infection, increased resistance with increased age but no differences with sex

Resistance, Host
Collins, W. E.; et al., 1979, Mosquito News, v. 39 (3), 466-472
Plasmodium falciparum, P. vivax (2 strains), Anopheles freeborni (exper.), susceptibility of natural and selected pupal color phenotypes to infection

Resistance, Host
Cuperlovic, K.; Altaif, K. I.; and Dargie, J. D., 1978, Research Vet. Sc., v. 25 (1), 125-126
sheep with hemoglobin AA showed better antibody response to some non-parasitic antigens than those with hemoglobin BB, results indicate that greater resistance of the former sheep to gastrointestinal nematodes is a reflection of superior immunological competence

Resistance, Host
Curca, D.; Purcherea, A.; and Caprarin, A., 1977, Lucrar. Stiint. Inst. Agron. N. Balcescu, s. C, Med. Vet., v. 17, 1974, 34-38
Ascaridia galli, 100 day old roosters, spontaneous dehelminthization after 13 days indicates augmented resistance; ascorbic acid diminished in adrenal gland on thirteenth day but normal in liver and blood serum; older chickens have lesser blood changes

Resistance, Host
Cvetkovic, Lj.; et al., 1978, Acta Parasitol. Iugoslavica, v. 9 (2), 75-79
Haemonchus contortus-infected sheep, genetic resistance, cigaja breed more resistant to infection than merino breed

Resistance, Host
Dargie, J. D.; et al., 1979, Research Vet. Sc., v. 26 (2), 245-247
Trypanosoma brucei, Ndama and Zebu cattle (exper.), blood volumes and erythrokinetics, susceptibility differences between breeds

Resistance, Host
Dargie, J. D.; et al., 1979, Parasitology, v. 78 (3), 271-286
Trypanosoma congolense-infected Ndama and Zebu cattle, red cell kinetics, concluded that anemia and its underlying processes are broadly in line with number of parasites in blood and that superior resistance of Ndama cattle lies in ability to control parasitemia rather than capacity to mount more efficient erythropoietic response

Resistance, Host
Darip, M. D.; Sirisinha, S.; and Lamb, A. J., 1979, Proc. Soc. Exper. Biol. and Med., v. 161 (4), 600-604
Angiostrongylus cantonensis, vitamin A-deficient rats, reduced non-specific local resistance at site of entry, reduced specific immunity to reinfection

Resistance, Host
Dean, D. A.; et al., 1978, Am. J. Trop. Med. and Hyg., v. 27 (5), 951-956
Schistosoma mansoni, mice receiving unisexual primary infection did not develop detectable resistance to reinfection, mice receiving bisexual primary infection developed high degree of resistance

Resistance, Host
Dean, D. A.; et al., 1978, Am. J. Trop. Med. and Hyg., v. 27 (5), 957-965
Schistosoma mansoni, mice, resistance to secondary infection, evidence for correlation between egg deposition and worm elimination

Resistance, Host
Devereux, D.; and Ash, L. R., 1978, J. Parasitol., v. 64 (1), 115-118
Brugia pahangi in female Meriones unguiculatus, effects of host age at inoculation on prepatent periods, microfilaremias, and worm burdens, results demonstrate increased susceptibility with age

Resistance, Host
Dhar, D. N.; and Sharma, R. L., 1978, Indian J. Animal Sc., v. 48 (1), 29-31
Dictyocaulus filaria, goats more susceptible than sheep

Resistance, Host
D'hondt, J.; et al., 1979, Nature, London (5739), v. 282, 613-615
Trypanosoma brucei subspp., trypanocidal activity of normal human serum: Ca^{2+} is essential cofactor, $^{\alpha}2$ macroglobulin might function as Ca^{2+} carrier, suppression by D-glucose, D-fructose, and D-mannose, glycerol has opposite effect

Resistance, Host
Dineen, J. K.; Kelly, J. D.; and Campbell, N. J., 1978, Internat. J. Parasitol., v. 8 (3), 173-176
Fasciola hepatica, nature and characteristics of cross protection produced in sheep by infection with Cysticercus tenuicollis, mechanism unknown, may be immunological

Resistance, Host
Dondero, T. J., jr.; Ow-Yang, C. K.; and Lie, K. J., 1977, Southeast Asian J. Trop. Med. and Pub. Health, v. 8 (3), 359-363
Echinostoma audyi, Hypoderaeum dingeri, unsuccessful attempts to induce acquired resistance in Lymnaea rubiginosa using irradiated miracidia, amebocytic response to irradiated parasites was slow, no obvious enlargement of amebocyte-producing organ, no resistance to homologous challenge; development of acquired resistance may be related to speed with which snails destroy irradiated sporocysts

Resistance, Host
Dubey, J. P., [1979], J. Parasitol., v. 64 (6), 1978, 1021-1023
Toxocara canis, ascarid-naive pups vs. adult dogs fed graded doses of eggs to examine age-related resistance, results indicate resistance to patent intestinal infection is in part related to dose of eggs

Resistance, Host
Dubovitskii, G. P.; and Gud, N. V., 1970, Nauch. Trudy, Nauchno-Issled. Vet. Inst., v. 8, 97-100
intestinal helminths, pigs, selective breeding for natural resistance, greatest resistance observed against ascariasis

Resistance, Host
Duncombe, V. M.; et al., 1979, Am. J. Clin. Nutrition, v. 32 (3), 553-558
Nippostrongylus brasiliensis, rats (exper.), effect of iron and protein deficiency on acquired resistance to reinfection, results demonstrate that this deficiency profoundly alters host/helminth relationship and enhances parasite survival and propagation, suggested that anthelmintic programs be accompanied by nutritional supplementation

Resistance, Host
Dymon, M.; and Starzyk, J., 1977, Acta Biol. Cracov., s. Zool., v. 20 (1), 17-25
Toxoplasma gondii, wild hamster (Cricetus cricetus) highly susceptible to infection especially when parasite introduced intranasally, epidemiological implications

Resistance, Host
Eckman, J. R.; et al., 1976, Tr. Ass. Am. Physicians, v. 89, 105-115
Plasmodium berghei-infected mice (exper.), vitamin E deficiency moderates severity of infection since premature, oxidant-induced hemolysis of infected erythrocytes prevents orderly parasite maturation, restoration of susceptibility to malaria by vitamin E supplementation, observations provide basis for selective advantage of G-6-PD deficiency in areas of endemic malaria

Resistance, Host
Eckman, J. R.; and Eaton, J. W., 1979, Nature, London (5706), v. 278, 754-756
Plasmodium berghei may utilize host-cell NADPH for maintenance of parasite glutathione, these observations may elucidate both parasite-induced red cell oxidant damage and mechanism whereby glucose-6-phosphate dehydrogenase deficiency protects against fulminant malaria infection

Resistance, Host
Ellner, J. J.; and Mahmoud, A. A. F., 1979, J. Immunol., v. 123 (2), 949-951
Schistosoma mansoni, killing of schistosomula by normal human monocytes independent of specific antibody, complement, and macrophage activation

Resistance, Host
Esuruoso, G. O., 1977, Bull. Animal Health and Prod. Africa, v. 25 (3), 233-244
Trypanosoma vivax, Zebu vs. Muturu cattle (exper.), differences in innate resistance, comparison of haematological, clinical, and serological responses

Resistance, Host
Euzeby, J., 1977, Rev. Med. Vet., Toulouse, v. 128 (12), 1589-1625
gastrointestinal helminths, cattle breeding, therapeutic and prophylactic control, nutrition and selection of resistant strains of cattle, extensive review: west Europe

Resistance, Host
Ewert, A., [1977], Rev. Biol. Trop., v. 24 (2), 1976, 261-266
Brugia malayi, infection of cats with subperiodic Brugia showed that immature cats were more susceptible to infections but that cats of all ages could be infected, there was no demonstrable difference in susceptibility between male and female cats

Resistance, Host
Fauve, R. M., 1978, Pharmacol. Immunoreg., 319-334
mice, induction of inflammatory reactions with non-biodegradable, non-diffusible, and non-antigenic substances at site distant from site of pathogen proliferation or persistence, increased resistance to various pathogens including Schistosoma mansoni, fraction extracted from granuloma is responsible at least in part for this increased resistance

Resistance, Host
Frandsen, F., 1979, Ztschr. Parasitenk., v. 58 (3), 275-296
Schistosoma spp., relationships with intermediate host snails, need for standardization of materials and methods for studying, asessment of degree of host-parasite compatibility, evaluation of schistosome taxonomy, review

Resistance, Host
Freidman, S. B.; Ader, R.; and Grota, L. J., 1973, Psychosomat. Med., v. 35 (6), 535-537
Plasmodium berghei, comparison of infected mice subjected to electric shock stimulation and infected controls showed that mice subjected to stress were more resistant to infection than were controls

Resistance, Host
Frenkel, J. K.; and Caldwell, S. A., 1975, J. Infect. Dis., v. 131 (3), 201-209
Toxoplasma gondii, Besnoitia jellisoni, Listeria, and virus infections in mice and hamsters, challenge with homologous and heterologous species, components of specific immunity and nonspecific resistance

Resistance, Host
Friedman, M. J., 1978, Proc. National Acad. Sc., v. 75 (4), 1994-1997
Plasmodium falciparum, development in cells with sickle cell hemoglobin, results suggest that mechanism of sickle cell resistance in vivo may be due solely to intraerythrocytic conditions

Resistance, Host
Friedman, M. J., 1979, Nature, London (5719), v. 280, 245-247
Plasmodium falciparum, α- and β-thalassaemia trait red cells from adults, fetal red cells, and glucose-6-phosphate dehydrogenase deficiency red cells are refractory to parasite development because of oxidant sensitivity

Resistance, Host
Friedman, M. J., 1979, J. Protozool., v. 26 (2), 195-199
Plasmodium falciparum, ultrastructural damage to parasite in sickled erythrocytes

Resistance, Host
Friedman, M. J.; et al., 1979, Am. J. Trop. Med. and Hyg., v. 28 (5), 777-780
Plasmodium falciparum, in vitro cultures, host cell competence of abnormal hemoglobin-containing erythrocytes, evolutionary significance of results

Resistance, Host
Friedman, M. J.; et al., 1979, Exper. Parasitol., v. 47 (1), 73-80
Plasmodium falciparum, intraerythrocytic conditions in infected cells, changes which would alter sickling behavior of infected AS cells, potassium levels in sickled AS cells, effect of decreased potassium on parasite survival

Resistance, Host
Fustish, C. A.; and Millemann, R. E., 1978, J. Parasitol., v. 64 (1), 155-157
Margaritifera margaritifera glochidia, host response to exper. infection, well developed hyperplasia in Oncorhynchus kisutch compared with slight response in O. tshawytscha, may be important in greater resistance of former host to infection

Resistance, Host
Garris, G. I.; et al., 1979, J. Econom. Entom., v. 72 (6), 869-872
Amblyomma americanum, infestations and biotic potential on Brahman and Hereford cattle compared under field conditions: eastern Oklahoma

Resistance, Host
Gavora, J. S.; and Spencer, J. L., 1978, World's Poultry Sc. J., v. 34 (3), 137-148
breeding for genetic resistance to disease, specific vs. general disease resistance

Resistance, Host
Gibson, T. E.; and Everett, G., 1978, Research Vet. Sc., v. 24 (2), 169-173
Ostertagia circumcincta, lambs (exper.), effect of different levels of larval intake on egg output and worm burden, protection against reinfection conferred by low level of initial infection, implications for husbandry practice

Resistance, Host
Gingrich, R. E., 1979, J. Parasitol., v. 65 (2), 288-292
Cuterebra fontinella, susceptibility of Peromyscus leucopus in relation to host age, dietary levels of vitamin A, and previous infestation history

Resistance, Host
Gnehm, H. E.; and Waldvogel, F. A., 1975, Schweiz. Med. Wchnschr., v. 105 (25), 815-819
Plasmodium falciparum, Nigerian woman, severe malarial attack within hours of giving birth to normal twins, at age 2 months one infant developed non-febrile hemolytic anemia resulting from prenatal parasitic infection, other infant possibly protected by partial glucose-6-phosphate dehydrogenase deficiency: Switzerland

Resistance, Host
Gold, D.; and Kagan, I. G., 1978, J. Parasitol., v. 64 (5), 937-938
Entamoeba histolytica, susceptibility of various strains of mice to liver inoculation, infections were obtained in 6 of 9 strains but no strain was consistently susceptible

Resistance, Host
Griffin, L.; and Allonby, E. W., 1979, Vet. Parasitol., v. 5 (2-3), 97-105
Trypanosoma congolense, sheep, goats, susceptibility of various breeds to experimental infection

Resistance, Host
Grove, D. I.; and Civil, R. H., 1978, Exper. Parasitol., v. 44 (2), 181-189
Trichinella spiralis, mice, BCG alters host-parasite relationship producing retention of adult worms in gut, reduction in severity of partial villous atrophy, and increased nonspecific resistance to systemic larval phase of parasite

Resistance, Host
Haggerty, R. M.; and John, D. T., 1978, Infect. and Immun., v. 20 (1), 73-77
Naegleria fowleri in mice, infecting dose and age, sex, and strain of host are important variables that markedly affect innate resistance to infection

Resistance, Host
Hall, R. D.; Gross, W. B.; and Turner, E. C., jr., 1978, Poultry Science, v. 57 (4), 1088-1090
Ornithonyssus sylviarum in roosters receiving varying doses of estradiol, slight increase in mite resistance, compared to mite resistance in untreated pullets, results indicate that estrogen alone may not be responsible for difference in mite susceptibility between male and female birds

Resistance, Host
Hall, R. D.; Gross, W. B.; and Turner, E. C., jr., 1979, Vet. Parasitol., v. 5 (2-3), 287-297
Ornithonyssus sylviarum, roosters (exper.), increased host resistance in response to high levels of social interaction or dietary administration of steroids

Resistance, Host
Handman, E.; Ceredig, R.; and Mitchell, G. F., 1979, Austral. J. Exper. Biol. and Med. Sc., v. 57 (1), 9-29
Leishmania tropica, susceptibility in intact and nude mice of various genotypes and at level of macrophage in vitro, possible nature of immunological defect responsible for persistent disease in susceptible mouse strains

Resistance, Host
Hosaka, Y.; and Berry, E. G., 1975, Kiseichugaku Zasshi (Japan. J. Parasitol.), v. 24 (5), 318-331
schistosome miracidial immobilization caused by tissue extracts prepared from various species or strains of snails, characteristics of immobilizing activity in snail tissues

Resistance, Host
Irvin, A. D.; Young, E. R.; and Osborn, G. D., 1978, Research Vet. Sc., v. 25 (2), 245-246
Babesia divergens, B. major, attempt to infect mice (nu/nu, nu/+, nu/nu splenectomized, and Lasat), neither parasite became established, B. divergens persisted up to 10 days, B. major lasted only 1 day, B. divergens persisted longer in splenectomized mice but absence of thymus made no apparent difference

Resistance, Host
Iwanaga, Y., 1976, Kiseichugaku Zasshi (Japan. J. Parasitol.), v. 25 (2), 59-68
Schistosoma japonicum in laboratory colonies of Oncomelania hupensis nosophora, infection rates and survival

Resistance, Host
Iwanaga, Y., 1976, Kiseichugaku Zasshi (Japan. J. Parasitol.), v. 25 (2), 69-79
Schistosoma japonicum (Yamanashi strain) in laboratory colonies of Oncomelania spp. of different geographic strains, infection rate

Resistance, Host
Jaouni, K. C., 1979, Exper. Parasitol., v. 47 (1), 54-64
Entamoeba histolytica, genetic control of susceptibility in chicken eggs

Resistance, Host
van der Kaay, H. J.; and Boorsma, L., 1977, Acta Leidensia, v. 45, 13-19
Plasmodium berghei berghei, selection of a fully susceptible strain of Anopheles atroparvus, not possible to obtain a completely refractive strain, effect of reciprocal matings between susceptible and refractive strains and of backcrosses of F1 offspring with these strains on susceptibility

Resistance, Host
Kamiya, H., 1972, Japan. J. Vet. Research, v. 20 (3), 69-76
Echinococcus multilocularis, AKR mice, age and sex difference in host resistance

Resistance, Host
Karna, D. W.; and Millemann, R. E., 1978, J. Parasitol., v. 64 (3), 528-537
Margaritifera margaritifera, comparative susceptibility of 4 species of salmonid fish determined by examination of caged and uncaged (native) fish, parasite development and associated histopathology, glochidia development in mussels in relation to temperature: Siletz River, western Oregon

Resistance, Host
Kassim, O. O.; and Richards, C. S., 1978, Exper. Parasitol., v. 46 (2), 213-217
Schistosoma mansoni, levels of lysozyme activity in Biomphalaria glabrata (hemolymph, digestive gland, and headfoot extracts) during infection with compatible and incompatible parasite strains, results suggest that lysozyme does not by itself play a major role in the destruction of a schistosome infection in a resistant snail host

Resistance, Host
Kassim, O. O.; and Richards, C. S., 1979, Internat. J. Parasitol., v. 9 (6), 565-570
Schistosoma mansoni, host reactions to miracidia in 2 strains of Biomphalaria glabrata, involving variations in parasite strains and in numbers and sequences of exposures

Resistance, Host
Katz, N.; et al., 1978, Rev. Inst. Med. Trop. S. Paulo, v. 20 (5), 273-278
Schistosoma mansoni, children and adults living in endemic areas, influence of age and worm burden on re-infection after specific therapy: State of Minas Gerais, Brazil

Resistance, Host
Kendall, S. B.; et al., 1978, J. Comp. Path., v. 88 (1), 115-122
Fasciola hepatica, cattle highly resistant to reinfection after initial infection had been terminated by anthelmintic treatment 3 or 22 weeks previously, 82% reduction in worm burden of reinfected cattle, much smaller size of flukes recovered from reinfected animals, precipitin production less in response to second infection than primary infection

Resistance, Host
Klesius, P. H.; et al., 1979, Clin. Immunol. and Immunopathol., v. 12 (2), 143-149
Eimeria ferrisi, C57BL/6 mice, effects of immunization and treatment with transfer factor, results suggest this host strain has genetically determined defect in cell-mediated immune response to this infection

Resistance, Host
Klesius, P. H.; and Hinds, S. E., 1979, Infect. and Immun., v. 26 (3), 1111-1115
Eimeria ferrisi, comparison of susceptibility in various inbred and F_1 hybrid mouse strains and in nu/nu and nu/+ BALB/c mice, effect of treatment with rabbit anti-mouse thymocyte serum

Resistance, Host
Kloosterman, A.; Albers, G. A. A.; and van den Brink, R., 1978, Vet. Parasitol., v. 4 (4), 353-368
Cooperia spp., half sib groups of Dutch Friesian calves (nat. and exper.), number and length of worms, egg output, serum antibodies, liveweight gain, concluded that within this breed genetic variation exists in resistance to Cooperia spp.

Resistance, Host
Koudstaal, D.; Kemp, D. H.; and Kerr, J. D., 1978, Parasitology, v. 76 (3), 379-386
Boophilus microplus, rejection of larvae from British breed cattle with different levels of resistance, relationship to grooming response

Resistance, Host
Kumar, V., 1973, Ann. Soc. Belge Med. Trop., v. 53 (1), 17-23
Orientobilharzia turkestanicum, susceptibility of various aquatic snails to infection, determination of pre-patent period in natural vector, and observation of age-resistance of snails to infection: Kashmir (suburb of Srinagar)

Resistance, Host
Kurihara, T.; and Hata, K., 1979, Eisei Dobutsu (Japan. J. San. Zool.), v. 30 (2), 200-202
Romanomermis culicivorax, susceptibility of 5 mosquito species to infection, relationship of nematode release point and dispersal to host parasitism

Resistance, Host
Landolfo, S.; et al., 1979, Boll. Ist. Sieroterap. Milanese, v. 58 (1), 48-51
Trichomonas vaginalis, inbred strains of mice differing in histocompatibility complex and multiple strain background genes, resistance or susceptibility differences dependent on genes outside major histocompatibility complex

Resistance, Host
Laser, H.; and Klein, R., 1979, Nature, London (5723), v. 280, 613-614 [Letter]
Plasmodium falciparum, protection given by haemoglobin S in heterozygotes for sickle cell gene, rebuttal to hypothesis of Pasvol, G.; Weatherall, D. J.; and Wilson, R. J. M., 1978, Nature, London (5672), v. 274, 701-703

Resistance, Host
Lee, C. M.; Harris, L. M.; and Aboko-Cole, G. F., 1978, Internat. J. Parasitol., v. 8 (3), 187-192
Trypanosoma lewisi, feral isolate, comparative activity in albino vs. black rats (parasitemia, trypanosome cell size and reproductive development, trypanosome respiration), data show that albino rats were significantly more susceptible to infection than black rats

Resistance, Host
Lehane, M. J., 1978, Ann. Trop. Med. and Parasitol., v. 72 (3), 285-288
Brugia pahangi, ultrastructural basis of abnormal development in refractory Aedes aegypti

Resistance, Host
Lie, K. J.; and Heyneman, D., 1979, Internat. J. Parasitol., v. 9 (6), 533-537
Echinostoma spp., acquired resistance in 4 Biomphalaria glabrata strains

Resistance, Host
Lie, K. J.; and Heyneman, D., 1979, Internat. J. Parasitol., v. 9 (6) 539-543
Echinostoma spp., capacity of irradiated sporocysts to suppress natural host resistance to Schistosoma mansoni in schistosome-resistant Biomphalaria glabrata

Resistance, Host
Lie, K. J.; Heyneman, D.; and Richards, C. S., 1979, Internat. J. Parasitol., v. 9 (6), 529-531
Biomphalaria glabrata, specificity of natural resistance to trematode infections

Resistance, Host
Loker, E. S., 1978, Exper. Parasitol., v. 45 (1), 65-73
Schistosomatium douthitti, effect of age and of size of Lymnaea catascopium on miracidium-snail interactions and on susceptibility to infection, ingestion of miracidia and their subsequent penetration through esophageal wall, miracidial penetration of external snail surfaces was rare

Resistance, Host
Loker, E. S., 1979, J. Invert. Path., v. 33 (3), 265-273
Schistosomatium douthitti in Lymnaea catascopium (exper.), pathological changes and cellular responses induced by penetrating miracidia and developing parasites

Resistance, Host
Long, P. L.; and Millard, B. J., 1979, Parasitology, v. 78 (2), 239-247
Eimeria maxima, rejection by 'foreign' host (Numida meleagris); E. tenella, E. grenieri, survival of sporozoites in peritoneal macrophages from 'foreign' vs. normal hosts in vitro

Resistance, Host
Loose, L. D.; et al., 1978, Infect. and Immun., v. 20 (1), 30-35
polychlorinated biphenyl- and hexachlorobenzene-treated mice, impaired resistance to bacterial endotoxin and to Plasmodium berghei, data indicate that environmental chemicals impair host resistance and that the alteration may be related to presence of the chemicals in the lymphoreticular organs

Resistance, Host
Lopez Antunano, F. J.; and Palmer, T. T., 1978, Tr. Roy. Soc. Trop. Med. and Hyg., v. 72 (3), 319 [Letter]
Plasmodium vivax, high susceptibility of Duffy blood group-negative Aotus trivirgatus griseimembra

Resistance, Host
McDougald, L. R.; and McQuistion, T. E., 1978, Avian Dis., v. 22 (4), 765-770
Eimeria spp., turkeys, coccidiosis management, innate (age) resistance and acquired immunity vs. anticoccidial medication

Resistance, Host
Mangold, B. L.; and Knopf, P. M., 1978, J. Parasitol., v. 64 (5), 813-821
Schistosoma mansoni, recovery of schistosomula from lungs of normal and resistant rats was dependent upon assay conditions employed (incubation medium, incubation time, perfusion procedure), optimal assay conditions established

Resistance, Host
Mankau, S. K., 1975, Kiseichugaku Zasshi (Japan. J. Parasitol.), v. 24 (6), 379-384
Trypanosoma lewisi, white rats (exper.), sex difference in susceptibility to infection demonstrated, effect of gonadectomy and heterologus gonadal hormone treatment

Resistance, Host
Mapes, C. J.; and Coop, R. L., 1971, J. Comp. Path., v. 81 (4), 479-492
Haemonchus contortus chemically terminated or concurrent with Nematodirus battus in lambs lowered reproductive capacity and inhibited development of N. battus, results consistent with density-dependent physicopharmacological mechanism of population control involving changes in host alimentary physiology (abomasal pH and Na^+ concentration)

Resistance, Host
Martin, S. K.; et al., 1978, Lancet, London (8062), v. 1, 466-468
Plasmodium falciparum, low erythrocyte pyridoxal-kinase activity in serum of non-infected Black and White races in comparison to that of infected Black persons; possible relation to malarial infection, possibly requirement of parasite

Resistance, Host
Mascaro-Lazcano, C.; Osuna-Carrillo, A.; and Guevara-Pozo, D., 1978, Rev. Iber. Parasitol., v. 38 (1-2), 427-433
Trichinella spiralis, albino mice, influence of hormones on host resistance to infection

Resistance, Host
Meek, A. H.; and Morris, R. S., 1979, Austral. Vet. J., v. 55 (2), 61-64
Fasciola hepatica, sheep (exper.) maintained under grazing conditions, no evidence that previous infection conferred significant host resistance to future challenge

Resistance, Host
Michel, J. F.; Lancaster, M. B.; and Hong, C., 1979, Parasitology, v. 79 (1), 157-168
Ostertagia ostertagi, cattle, effect of age, previous experience of infection, pregnancy, and lactation on resistance to establishment of worms, rate at which populations are turned over, and arrested development

Resistance, Host
Michelson, E. H.; and DuBois, L., 1978, Am. J. Trop. Med. and Hyg., v. 27 (4), 782-786
Schistosoma mansoni, susceptibility of 17 Biomphalaria glabrata populations to infection with allopatric parasite strain: Bahia, Brazil

Resistance, Host
Miller, L. H.; et al., 1978, Am. J. Trop. Med. and Hyg., v. 27 (6), 1069-1072
Plasmodium vivax, 13 American blacks infected while in Vietnam were all Duffy blood group positive, lends support to hypothesis that Duffy negative genotype is basis for resistance of blacks to vivax malaria

Resistance, Host
Miller, L.; et al., 1979, J. Exper. Med., v. 149 (1), 172-184
Plasmodium knowlesi, interaction between cytochalasin B-treated merozoites and erythrocytes, attachment and junction formation, results suggest that defect in invasion of Duffy-negative RBCs is at the step of junction formation

Resistance, Host
Minter, D. M.; Minter-Goedbloed, E.; and Marshall, T. F. de C., 1978, Tr. Roy. Soc. Trop. Med. and Hyg., v. 72 (1), 84-91
Trypanosoma cruzi, comparative xenodiagnosis using 3 species of triatomes and materials from natural and experimental infections of man and animals; results show that interspecific differences of bloodmeal size and intrinsic differences in susceptibility to infection between species of triatomes are limiting factors for standardization and interpretation of results

Resistance, Host
Mitchell, G. F., 1979, Advances Immunol., v. 28, 451-511
immunological and 'paraimmunological' responses to infection with metazoan and protozoan parasites in mouse models, extensive review

Resistance, Host
Mitchell, G. F.; and Prowse, S. J., 1979, J. Parasitol., v. 65 (5), 820-822
Nematospiroides dubius, different consequences of infection in 3 different inbred strains of mice

Resistance, Host
Molineaux, L.; et al., 1979, Ann. Trop. Med. and Parasitol., v. 73 (4), 301-310
sickle cell disease subjects living in hyperendemic malarial area, numbers of malaria-infected persons, seroimmunologic test results, immunoglobulin levels, and age groups compared with subjects without sickle cell trait: Sudan savanna of Nigeria

Resistance, Host
Morrison, W. I.; et al., 1978, Clin. and Exper. Immunol., v. 32 (1), 25-40
Trypanosoma congolense, marked differences in susceptibility of inbred strains of mice to infection, correlation with changes in spleen lymphocyte populations

Resistance, Host
Morrison, W. I.; and Murray, M., 1979, Exper. Parasitol., v. 48 (3), 364-374
Trypanosoma congolense, mouse strains, genetic basis of observed differences in susceptibility to infection examined with F1 hybrids and backcrosses, influence of H-2 haplotype on susceptibility

Resistance, Host
Munday, B. L., 1978, Internat. J. Parasitol., v. 8 (4), 285-288
Toxoplasma gondii, calves (exper.), pregnant cows (exper.), antibody titres measured by indirect fluorescent antibody test and dye test, Toxoplasma reisolated from 3 of the 5 calves, no abortions in pregnant cows and no evidence of infection in their calves, concluded that cattle do not readily acquire persistent T. gondii infections

Resistance, Host
Murray, M.; and Morrison, W. I., 1979, Parasitology, v. 79 (3), 349-366
Trypanosoma congolense, Trypanosoma brucei, non-specific induction of increased resistance in mice by immunostimulants

Resistance, Host
Murray, M. J.; et al., 1978, Brit. Med. J. (6145), v. 2, 1113-1115
parasitic (malaria, Schistosoma) and non-parasitic infections, Somali nomads, adverse effect of iron repletion on course of certain infections

Resistance, Host
Murrell, K. D.; et al., 1979, J. Parasitol., v. 65 (5), 829-831
Schistosoma mansoni, influence of mouse strain on induction of resistance with irradiated cercariae, no obvious or simple relationship to mouse H-2 haplotype

Resistance, Host
Nagar, S. K.; Saxena, V. K.; and Raizada, R. N., 1978, Indian J. Animal Sc., v. 48 (3), 173-176
Boophilus microplus, 3 breeds of cattle, infestation rate, seasonal variation, breed susceptibility: Union Territory of Delhi

Resistance, Host
Neal, R. A.; and Harris, W. G., 1977, Protozoology, v. 3, 197-199
Entamoeba histolytica, susceptibility of various inbred strains of rats and mice

Resistance, Host
Nelson, W. A.; et al., 1977, J. Med. Entom., v. 13 (4-5), 389-428
host-ectoparasite interactions, review: hematologic and clinical manifestations of infestation, arthropod antigens and host antibodies raised against them, manifestations of antigen-antibody interaction, histopathologic reactions of skin to arthropod feeding and acquired resistance to arthropods, genetics of host resistance, economic effects of parasitism, speculation on nature of innate and acquired resistance

Resistance, Host
Nelson, W. A.; Bell, J. F.; and Stewart, S. J., 1979, Exper. Parasitol., v. 48 (2), 259-264
Polyplax serrata, histopathology of skin in mice that do (CFW strain) and do not (C57BL strain) develop resistance

Resistance, Host
Nguyen, B. T.; and Stadtsbaeder, S., 1978, Arch. Internat. Physiol. et Biochim., v. 86 (1), 207-209
Toxoplasma gondii, β-1,3 glucan did not induce non-specific resistance in vivo (mice) or in vitro

Resistance, Host
Niedernostheide, F.; et al., 1979, Zentralbl. Vet.-Med., Reihe B, v. 26 (7), 527-539
Ascaris suum, rats (exper.), effect of isoenergetic fat diets on resistance, immunological and endocrine parameters

Resistance, Host
Norman, L. M.; and Hohenboken, W., 1979, J. Animal Sc., v. 48 (6), 1329-1337
parasites, foot soundness, and attrition, crossbred ewes, genetic and environmental effects (irrigated vs. nonirrigated pastures): western Oregon

Resistance, Host
Norval, R. A. I., 1975, Proc. 1. Cong. Entom. Soc. South. Africa, 195-201
host-tick interactions reviewed: tick feeding mechanism and innate and acquired host resistance; host specificity

Resistance, Host
Norval, R. A. I., 1978, J. Parasitol., v. 64 (5), 910-917
Amblyomma hebraeum, repeated feeding on rabbits and sheep, tick yield, engorged weight, and engorgement period, no acquisition of resistance by host, seasonal fluctuations in engorged weights appear to be due to changes in host physiology as result of low temperature acclimatization, tick yield is determined by amount of host grooming, feeding periods of larvae and nymphs are dependent on host skin temperature

Resistance, Host
Nunesmaia, H. G.; et al., 1975, Rev. Inst. Med. Trop. S. Paulo, v. 17 (3), 160-163
Schistosoma mansoni, hepatic form, survey of racial admixture and ahaptoglobinemia, Negroes have higher resistance to development of severe infection than do other racial groups: Brazil

Resistance, Host
O'Grodnick, J. J., 1979, Tr. Am. Fish. Soc., v. 108 (2), 187-190
Myxosoma cerebralis, susceptibility of fry and fingerling salmonids in contaminated water supply at Cedar Run, Clinton County, Pennsylvania; Salvelinus namaycush completely refractory to infection

Resistance, Host
Omar, M. S.; and Zielke, E., 1978, Tropenmed. u. Parasitol., v. 29 (3), 364-370
Wuchereria bancrofti larvae, abortive development in refractory strain of Culex pipiens fatigans (exper.) from Liberia, West Africa

Resistance, Host
Oshima, T., 1976, Kiseichugaku Zasshi (Japan. J. Parasitol.), v. 25 (6), 447-455
Toxocara canis, specific-pathogen-free beagles vs. prenatally infected mongrel dogs dewormed before inoculation (exper.), larval migration and development, eosinophilia after primary and superinfection, age resistance

Resistance, Host
Owen, R. R., 1978, Ann. Trop. Med. and Parasitol., v. 72 (6), 567-571
Brugia pahangi, levels of migration and exsheathment of microfilariae in species of Aedes scutellaris complex as indicators to distinguish between refractory and susceptible mosquitoes

Resistance, Host
Owen, R. R., 1979, Ann. Trop. Med. and Parasitol., v. 73 (2), 193-195
Brugia pahangi, non-development in refractory Aedes malayensis, unsuccessful attempts to induce development by use of homogenates of susceptible mosquito species fed to females in sucrose solution, abnormal development in susceptible species fed corresponding regimen of A. malayensis homogenates

Resistance, Host
Paraense, W. L.; and Correa, L. R., 1973, Rev. Inst. Med. Trop. S. Paulo, v. 15 (3), 127-130
Schistosoma mansoni, susceptibility of experimentally infected Biomphalaria peregrina from Brazil and Ecuador

Resistance, Host
Paraense, W. L.; and Correa, L. R., 1978, J. Parasitol., v. 64 (5), 822-826
Schistosoma mansoni, differential susceptibility of Biomphalaria tenagophila (exper.) from 20 localities to infection with single strain of schistosome, results seem to indicate that process of adaptation between S. mansoni and B. tenagophila is evolving, possible expansion of schistosomiasis to wide South American area where B. tenagophila occurs

Resistance, Host
Partono, F., 1979, Ann. Trop. Med. and Parasitol., v. 73 (1), 79-81
Wuchereria bancrofti-infected parental stocks of Culex pipiens fatigans from non-endemic filariasis areas did not contain a major gene conferring refractiness to infection with urban Wuchereria bancrofti to their progeny

Resistance, Host
Pasvol, G.; Weatherall, D. J.; and Wilson, R. J. M., 1978, Nature, London (5672), v. 274, 701-703
Plasmodium falciparum, hemoglobin S has detrimental effect on parasite proliferation, this involves both invasion into red cell and growth once inside and requires conditions of low oxygen tension, actual sickling of cells concerned is not necessary, provides explanation for protection of sickle cell heterozygotes against P. falciparum malaria and thus for high frequency of sickle-cell gene in parts of world where malaria is or has been endemic

Resistance, Host
Pasvol, G.; Weatherall, D. J.; and Wilson, R. J. M., 1979, Nature, London (5723), v. 280, 614 [Letter]
Plasmodium falciparum, protection given by haemoglobin S in heterozygotes for sickle cell gene, answer to rebuttal of Laser, H.; and Klein, R., 1979, Nature, London (5723), v. 280, 613-614

Resistance, Host
Patton, S.; et al., 1978, Am. J. Vet. Research, v. 39 (1), 19-23
Strongylus vulgaris, ponies (exper.), changes in serum proteins, increased IgT concentration, repeated exposure to small doses of larvae resulted in a significant degree of acquired resistance against a challenge dose

Resistance, Host
Perez, H.; Labrador, F.; and Torrealba, J. W., 1979, Internat. J. Parasitol., v. 9 (1), 27-32
Leishmania mexicana, variations in response of 5 strains of mice (course of infection, delayed type hypersensitivity response, humoral antibody production), crossing experiments between resistant and susceptible strains suggest that resistance is inherited as dominant character

Resistance, Host
Pesson, B.; and Leger, N., 1978, Ann. Parasitol., v. 53 (2), 147-154
Hymenolepis nana var. fraterna, development of non-encapsulated cysticercoids in haemocoel of Leucophaea maderae after inhibition of haemocytic reaction by means of irradiation or injection of soluble antigen of H. nana, fine structure of tegument of free larvae in relation to mechanism of possible defense of parasite against host reaction

Resistance, Host
Pesson, B.; Leger, N.; and Bouchet, P., 1978, Ann. Parasitol., v. 53 (2), 155-161
Hymenolepis nana var. fraterna, cysticercoid development in haemocoels of Tenebrio molitor and Leucophaea maderae (both exper.), comparison of host haemocytic defense reactions and structure of parasite tegument

Resistance, Host
Petersen, J. J., 1978, Environment. Entom., v. 7 (4), 518-520
Romanomermis culicivorax, development of resistance in laboratory strains of Culex pipiens quinquefasciatus after 300 generations, no evidence of humoral defense mechanisms and mode of resistance has not been determined

Resistance, Host
Petersen, J. J.; and Chapman, H. C., 1979, J. Med. Entom., v. 15 (5-6), 468-471
checklist of mosquito species tested against Romanomermis culicivorax, natural infections, laboratory or field exposure, susceptibility index, and source references

Resistance, Host
Pott, J. M.; Jones, R. M.; and Cornwell, R. L., 1978, Internat. J. Parasitol., v. 8 (5), 331-339
parasitic gastroenteritis and bronchitis in untreated grazing calves, epidemiology (pasture larval counts, fecal egg and larval counts, clinical assessment, weight gains, worm counts in tracer calves), evidence that resistance to Cooperia and Dictyocaulus was acquired more readily than to Ostertagia, inhibition of development of Ostertagia and Cooperia became evident at end of trial period

Resistance, Host
Preston, J. M.; and Allonby, E. W., 1978, Vet. Rec., v. 103 (23), 509-512
Haemonchus contortus, comparison of susceptibility of 4 breeds of sheep and 3 breeds of goats to experimental infection while maintained on both high and low planes of nutrition: Kenya

Resistance, Host
Preston, J. M.; and Allonby, E. W., 1979, Research Vet. Sc., v. 26 (2), 134-139
Haemonchus contortus, relative resistance of 6 breeds of sheep: Kenya

Resistance, Host
Preston, J. M.; and Allonby, E. W., 1979, Research Vet. Sc., v. 26 (2), 140-144
Haemonchus contortus, sheep, influence of haemoglobin phenotype on susceptibility to infection: Kenya

Resistance, Host
Preston, P. M.; Behbehani, K.; and Dumonde, D. C., 1978, J. Clin. and Lab. Immunol., v. 1 (3), 207-219
Leishmania tropica major, experimental cutaneous leishmaniasis, anergy and allergy in cellular immune response during non-healing infection in different strains of mice

Resistance, Host
Prowse, S. J.; et al., 1979, Parasite Immunol., v. 1 (4), 277-288
Nematospiroides dubius, 7 inbred strains of mice, differences in natural resistance to primary infection and in development of resistance to challenge infection, host sex differences, IgG_1 and IgG_{2a} concentrations

Resistance, Host
Rajasekariah, G. R.; and Howell, M. J., 1978, Exper. Parasitol., v. 44 (2), 233-238
Fasciola hepatica, rats, effectiveness of different developmental stages of parasite in stimulating resistance to challenge infection, all implanted stages conferred significant degree of protection with the exception of adult worms

Resistance, Host
Ramajo-Martin, V., 1978, Rev. Iber. Parasitol., v. 38 (3-4), 537-549
Schistosoma bovis from Salamanca, Spain, receptivity of different populations of Planorbarius metidjensis, Bulinus truncatus, and Biomphalaria glabrata

Resistance, Host
Randolph, S. E., 1979, Parasitology, v. 79 (1), 141-156
Ixodes trianguliceps, manifestations of acquired resistance in successive infestations of unnatural host (laboratory mice) but not of natural host (Apodemus sylvaticus), relevance to concept of host-parasite co-evolution and to tick population regulation

Resistance, Host
Riffkin, G. G.; and Dobson, C., 1979, Vet. Parasitol., v. 5 (4), 365-378
Haemonchus contortus, in vitro response of sheep lymphocytes to parasite antigens varied between animals but was heritable and positively correlated with resistance to infection, sheep which were most susceptible had lowest lymphocyte responses but highest rate weight gain during infection

Resistance, Host
Rifkin, M. R., 1978, Exper. Parasitol., v. 46 (2), 189-206
Trypanosoma brucei, cytotoxic reaction induced by normal human serum, some properties of the trypanocidal factor, complement activation not required

Resistance, Host
Rifkin, M. R., 1978, Proc. National Acad. Sc., v. 75 (7), 3450-3454
trypanocidal factor in normal human serum is associated with high density lipoprotein (HDL), comparison of susceptibility of Trypanosoma brucei and T. rhodesiense to lysis by human serum and human HDL

Resistance, Host
Robertson, D. A., 1979, J. Fish Dis., v. 2 (6), 481-491
Ichtyobodo necator on farmed salmonids, prevalence and intensity in relation to time, temperature, and host age; suggested that some form of host defense mechanism is operating: central Scotland

Resistance, Host
Romero-Morrell, J.; and Marta G., C. B., 1978, Rev. Inst. Med. Trop. S. Paulo, v. 20 (6), 318-322
Schistosoma mansoni, susceptibility of Venezuelan Biomphalaria glabrata strain to infection with strains of S. mansoni from various endemic zones

Resistance, Host
Roth, E. F., jr.; et al., 1978, Science (4368 [error as 4365 on cover]), v. 202, 650-652
Plasmodium falciparum, increased sickling propensity of infected red cell under conditions of total and partial deoxygenation in vitro, results lend support to concept that heterozygotes for Hb S in malarious region may have improved fitness for survival which in turn maintains balanced polymorphism for Hb S gene

Resistance, Host
Rothwell, T. L. W.; et al., 1978, Parasitology, v. 76 (2), 201-209
Trichostrongylus colubriformis, guinea pigs, establishment of two lines differing significantly in susceptibility to infection, difference probably based on genetically determined differences between ability of members of each line to bring about immune expulsion of parasite

Resistance, Host
Ruebush, M. J.; and Hanson, W. L., 1979, J. Parasitol., v. 65 (3), 430-433
Babesia microti, susceptibility of 5 strains of mice to parasites of human origin

Resistance, Host
de Santana, J. V.; Magalhaes, L. A.; and Rangel, H. de A., 1978, Rev. Saude Pub., S. Paulo, v. 12 (1), 67-77
populations of Biomphalaria tenagophila and B. glabrata which are highly susceptible to Schistosoma mansoni strains from the Valley of Paraiba do Sul River and Belo Horizonte areas have been obtained after four generations by using a schedule of individual selections; this rapid genetic gain in susceptibility shows that molluscan susceptibility is highly inheritable and apparently conditioned by a few genes

Resistance, Host
Sauerlaender, R., 1979, Ztschr. Parasitenk., v. 59 (1), 53-66
Muellerius capillaris in Cepaea nemoralis (exper.), exposure period, developmental period from 1st to 3rd stage larvae, individual exposure vs. mass exposure, superinfections, infectivity following storage below freezing-point, localization of larvae, host cellular reaction

Resistance, Host
Seryczynska, H., 1977, Bull. Acad. Polon. Sc., Cl. II, s. Sc. Biol., v. 25 (11), 749-751
Neoaplectana carpocapsae, defensive reactions of Galleria mellonella caterpillars to effect of nematodes and herbicides, or to both factors jointly

Resistance, Host
Siddiqi, M. N.; and Meerovitch, E., 1976, Pakistan J. Zool., v. 8 (2), 183-189
Trichinella spiralis, 6 strains, relative infectivity to albino rats, variable infectivity appears to be due to strain differences in transmission cycles and to natural host resistance

Resistance, Host
Siddiqi, M. N.; and Meerovitch, E., 1976, Pakistan J. Zool., v. 8 (2), 191-197
Trichinella spiralis, 6 strains, relative infectivity in mice, guinea pigs, and 2 strains of rats (albino Wistar and hooded), role of host resistance

Resistance, Host
Siddiqi, M. N.; and Meerovitch, E., 1977, Pakistan J. Zool., v. 9 (1), 51-57
Trichinella spiralis, 3 newly isolated strains compared with classical strain during intestinal phase of infection in rats (moulting pattern, % recovery of adult worms, their size and sex ratio), significantly smaller size of worms in 3 new strains, inhibition of development expressed by host resistance as one of several possible causes

Resistance, Host
Siddiqui, M. A., 1979, Ann. Trop. Med. and Parasitol., v. 73 (4), 377-386
Litomosoides carinii, quantitative transmission to un-irradiated and irradiated golden hamsters and white mice, both species highly susceptible but mice were poor hosts, some age resistance or young susceptibility in hamsters, duration and intensity of microfilaraemia higher in hamsters

Resistance, Host
Simpson, M. G.; and Laurence, B. R., 1979, J. Parasitol., v. 65 (5), 732-736
Brugia patei, incorporation of radioactive precursors into filarial larvae developing in susceptible vs. refractory mosquito species and into mosquito flight muscle

Resistance, Host
Singh, M., 1978, Southeast Asian J. Trop. Med. and Pub. Health, v. 9 (3), 455-456
Octomyomermis muspratti, melanotic encapsulation by Armigeres subalbatus 4th instar larvae

Resistance, Host
Smith, H. J., 1978, Vet. Parasitol., v. 4 (3), 265-273
Trichonema spp., re-infection of mature (9 and 10 year old) parasite-free sensitized ponies, findings indicate development of strong resistance which may be partly associated with host age and demonstrate the pathogenesis of inhibited larvae which may be retained by resistant ponies for prolonged periods of time

Resistance, Host
Spencer, H. C.; et al., 1978, Am. J. Trop. Med. and Hyg., v. 27 (4), 664-670
Plasmodium falciparum, P. vivax, human (Duffy blood group positive and negative, black and white), indirect fluorescent antibody titers, slide-demonstrated infection rates, Duffy negative genotype appears to be factor in resistance to P. vivax: Honduras

Resistance, Host
Stepanian, S. G.; et al., 1978, Biol. Zhurnal Armenii, v. 31 (9), 971-978
Taenia pisiformis-infected rabbits, natural resistance increased by vitamin C

Resistance, Host
Stibbs, H. H.; et al., 1979, J. Invert. Path., v. 33 (2), 159-170
Hartmanella-Acanthamoeba group amoeba isolated from Biomphalaria glabrata (Schistosoma mansoni susceptible and resistant strains) (pericardium, mantle), in vitro killing of S. mansoni sporocysts by amoebae; whether amoebae contribute to snail resistance is unknown

Resistance, Host
Stoianov, P.; et al., 1978, Vet. Med. Nauki, v. 15 (8), 105-114
E[imeria] tenella, broiler chickens, varied temperature and moisture regimes, blood biochemistry, host resistance, efficacy of pancoxin plus

Resistance, Host
Sullivan, J. T.; and Palmieri, J. R., 1978, J. Parasitol., v. 64 (5), 939-940
Echinostoma malayanum, infection rate of Indoplanorbis exustus (exper.) decreased as shell diameter increased, cause of relative nonsusceptibility of large snails not known

Resistance, Host
Sutherst, R. W.; et al., 1979, Austral. J. Agric. Research, v. 30 (2), 353-368
Boophilus microplus, untreated cattle selected for different levels of tick resistance, tick population studies over 6 year period

Resistance, Host
Sutherst, R. W.; et al., 1979, J. Applied Ecol., v. 16 (2), 359-382
Boophilus microplus, cattle, analysis of 3 control methods used separately and in combination (acaricides, pasture spelling, tick-resistant cattle), computer model of tick population: Australia

Resistance, Host
Sutherst, R. W.; et al., 1979, J. Applied Ecol., v. 16 (2), 397-403
Boophilus microplus, density-dependent mortality of ticks on cattle in relation to season, host sex, breed, and level of tick resistance

Resistance, Host
Sutherst, R. W.; Roberts, J. A.; and Wagland, B. M., 1979, Internat. J. Parasitol., v. 9 (3), 183-188
Haemaphysalis longicornis, occurrence and expression of resistance in Bos taurus

Resistance, Host
Sutherst, R. W.; Wagland, B. M.; and Roberts, J. A., 1978, Internat. J. Parasitol., v. 8 (4), 321-324
Boophilus microplus on previously unexposed 'naive' Bos taurus and Bos indicus, tick survival at various levels of infestation, results indicate that density-dependent tick mortality is attributable mainly to acquired host resistance rather than to crowding

Resistance, Host
Tanabe, K.; et al., 1978, Exper. Parasitol., v. 46 (1), 72-82
Toxoplasma gondii tachyzoites can penetrate differentiating Friend erythroleukemia cells containing hemoglobin or erythrocyte membrane-specific proteins such as spectrin, these results suggest that such proteins may not be essential components in preventing this parasite's penetration into mammalian erythrocytes

Resistance, Host
Tanner, C. E., 1978, J. Parasitol., v. 64 (5), 956-957
Trichinella spiralis, susceptibility of several inbred lines of mice differing at the H-2 histocompatibility locus, no significant differences found in level of infection between any of the different mouse strains used, results suggest that intensity of infections with T. spiralis is probably not controlled by genes of the H-2 region

Resistance, Host
Tashkinov, N. I., 1971, Parazitologiia, Leningrad, v. 5 (3), 261-265
Oedemagena tarandi, intensity of infestation of reindeer, effect of host age, sex, weight, and health, differences in degree of infection of various age and sex groups apparently are result of unequal mortality rates of grubs rather than number of eggs laid by female flies: Amur oblast

Resistance, Host
Taylor, D. W.; and Siddiqui, W. A., 1979, J. Parasitol., v. 65 (2), 267-271
Plasmodium falciparum, susceptibility of Aotus trivirgatus in relation to geographic origin, phenotype, and karyotype

Resistance, Host
Thomas, V.; and Singh, K. R. P., 1977, Indian J. Med. Research, v. 65, Suppl., 102-106
Wuchereria bancrofti in Culex pipiens fatigans vectors, no consistent differences between vector strains in their degree of susceptibility to infections, all strains tested were highly susceptible, implications for genetic control programs

Resistance, Host
Thoongsuwan, S.; Cox, H. W.; and Patrick, R. A., [1979], J. Parasitol., v. 64 (6), 1978, 1050-1056
Trypanosoma lewisi, Babesia rodhaini, Plasmodium chabaudi, rats, acquired nonspecific resistance associated with recovery from various infectious anemias, association with immunoconglutinin activity, infections also stimulated production of cold-active hemagglutinin

Resistance, Host
Thoongsuwan, S.; Cox, H. W.; and Patrick, R. A., [1979], J. Parasitol., v. 64 (6), 1978, 1060-1066
Plasmodium chabaudi, Babesia rodhaini, rats, serologic specificity of immunoconglutinin associated with infectious anemia and its role in nonspecific acquired resistance

Resistance, Host
Todd, A. C.; et al., 1978, Mod. Vet. Pract., v. 59 (7), 507-510
subclinical parasitism in dairy and beef cattle, economic importance, resistance and immunity, treatment, review

Resistance, Host
Todd, K. S.; Mansfield, M. E.; and Levine, N. D., 1978, Am. J. Vet. Research, v. 39 (5), 865-866
Haemonchus contortus, Targhee lambs and Targhee-Barbados Black-Belly cross lambs (both exper.), no differences in resistance between the two breeds

Resistance, Host
Toure, S. M.; et al., 1978, Rev. Elevage et Med. Vet. Pays Trop., n. s., v. 31 (3), 293-313
Trypanosoma vivax, T. congolense, zebu and N'Dama cattle, pathology compared, N'Dama not as susceptible as zebu and some displayed a remarkable immunity: Missira, Senegal

Resistance, Host
Tribouley, J.; Tribouley-Duret, J.; and Appriou, M., 1979, Path. Biol., v. 27 (8), 491-492
Schistosoma mansoni, mice, nonspecific resistance after injection or reinjection of BCG

Resistance, Host
Trischmann, T.; et al., 1978, Exper. Parasitol. v. 45 (2), 160-168
Trypanosoma cruzi (Brazil strain), characteristics of resistant and susceptible strains of mice following challenge, results suggest a necessary association of natural resistance with the immune response, principal genetic determinant of resistance is not associated with H-2 haplotype

Resistance, Host
Tsang, C. L.; and Chen, K. H., 1977, J. Chinese Soc. Vet. Sc., v. 3 (2), 9-13
Eimeria tenella, several breeds of chickens, resistance and susceptibility correlated with heredity: Taiwan

Resistance, Host
Utech, K. B. W.; Seifert, G. W.; and Wharton, R. H., 1978, Austral. J. Agric. Research, v. 29 (2), 411-422
Boophilus microplus, resistance in selected Bos taurus and crossbred B. taurus x B. indicus, factors affecting resistance: age and sex of host, lactational status, pregnancy status, season, breed differences

Resistance, Host
Utech, K. B. W.; Wharton, R. H.; and Kerr, J. D., 1978, Austral. J. Agric. Research, v. 29 (4), 885-895
Boophilus microplus, resistance levels in different breeds of cattle: Queensland

Resistance, Host
Vachanavinich, K.; and Brockelman, C. R., 1979, Southeast Asian J. Trop. Med. and Pub. Health, v. 10 (4), 514-519
Angiostrongylus cantonensis, Pila ampullacea (exper.), method of introducing larvae to individual snails to make possible quantitative evaluation of worm recovery, distribution of infective stages within snail, dose of infection, and age of snails (which may affect host susceptibility) are analyzed

Resistance, Host
Van Meirvenne, N.; Janssens, P. G.; and Magnus, E., 1973, Ann. Soc. Belge Med. Trop., v. 53 (1), 49-56
Trypanosoma brucei, blood incubation infectivity test, influence of several factors on process of lysis and neutralization of T. brucei in human serum

Resistance, Host
Van Ros, G.; et al., 1972, Ann. Soc. Belge Med. Trop., v. 52 (6), 515-530
Plasmodium berghei berghei, inbred mouse strain partially resistant to infection, surveillance of hemoglobins and glucose-6-phosphate-dehydrogenase changes from 12th day of gestation to 3rd day after birth, no correlations with Plasmodium resistance

Resistance, Host
Varma, S.; et al., 1978, Indian Vet. J., v. 55 (3), 184-186
gastrointestinal nematodes, pigs, incidence and intensity, female hosts less susceptible to infection than males

Resistance, Host
Wagland, B. M., 1978, Austral. J. Agric. Research, v. 29 (2), 395-400
Boophiuilus microplus, dynamics of resistance in previously unexposed and exposed Bos indicus, and in previously unexposed Bos taurus, results suggest that resistance is acquired rather than innate in both breeds

Resistance, Host
Wagland, B. M., 1979, Austral. J. Agric. Research, v. 30 (1), 211-218
Boophilus microplus, resistance in Bos indicus, ages of ticks rejected, compared with losses from Bos taurus

Resistance, Host
Wakelin, D., 1978, Advances Parasitol., v. 16, 219-308
genetic control of susceptibility and resistance to parasitic infection, review

Resistance, Host
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[Ovis aries] (dikrotselii; ekhinokokki; tsenury tserebral'nye; tsistitserki tenuikol'nye; moniezii; tyzaniezii; gemonkhi; diktiokauly; nematodiry; marshallagii; ostertagielly; trikhostrongyly)
[Sus scrofa] (askaridoz; trikhotsefalez; ezofagostomoz)

Russia, Komi ASSR
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helminths of mammals

Russia, Tuva ASSR
Sonin, M. D.; and Larchenko, T. T., 1974, Trudy Gel'mint. Lab., Akad. Nauk SSSR, v. 24, 173-181
nematodes of birds of Tuvinsk ASSR

Russia, Yakutsk ASSR
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Acanthocephala of birds: Iakutskaia ASSR

Russia, Yakutsk ASSR
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extensive host-parasite lists, review

Russia, Yakutsk ASSR
  Ryzhikov, K. M.; et al., 1974, Helminths of birds of Yakutia and adjacent territories. Cestodes and trematodes, 339 pp.
    extensive host-parasite lists, review

Rwanda
  Scaglia, M.; et al., 1979, Internat. Arch. Allergy and Applied Immunol., v. 59 (4), 465-468
    intestinal parasite load in relation to serum IgE levels in individuals from 2 ethnic groups from North and South Rwanda
    (Ascaris lumbricoides; Trichuris trichiura; Necator americanus; Taenia spp.; Trichostrongylus spp.; Entamoeba coli; E. histolytica; E. nana; Iodamoeba buetschlii; Giardia lamblia)

Salinity
Andrews, J. D., 1964, Proc. 1962 National Shellfish. Ass., v. 53, 65-84
[Minchinia nelsoni] MSX, cause of oyster mortality and poor seed quality, monitoring program, MSX activity in low- and high-salinity areas: James River public seed beds, Virginia

Salinity
Arme, C.; and Walkey, M., 1970, Symposia Brit. Soc. Parasitol., v. 8, 79-101
physiology of fish parasites, review: chemical composition; physical environmental parameters (salinity, temperature, oxygen tension); nutrition (role of gut, role of tegument); metabolism (carbohydrates, nitrogenous compounds, lipids); growth physiology; host-parasite relations (pathology, host specificity and immunity)

Salinity
Berger, V. Ia.; and Kondratenkov, A. P., 1974, Parazitologiia, Leningrad, v. 8 (6), 563-564
larval trematode-infected Hydrobia ulvae, lowered resistance to desiccation and fresh water

Salinity
Bulnheim, H. P., 1978, Helgoland. Wissensch. Meeresuntersuchg., v. 31 (1-2), 1-33
Octosporea effeminans and Thelohania hereditaria in Gammarus duebeni duebeni, feminizing influence exerted on host's offspring by parasites, role of salinity and temperature on sex determination by parasites

Salinity
Cheung, P. J.; Nigrelli, R. F.; and Ruggieri, G. D., 1979, J. Fish Dis., v. 2 (2), 93-97
Cryptocaryon irritans, effect of temperature and salinity on reproductive cycle

Salinity
Dartnall, H. J. G., 1974, J. Zool., London, v. 172 (2), 207-214
Trichodina d. domerguei, T. tenuidens, salinity tolerance, activity of contractile vacuole of T. domerguei suggests mechanism for achieving euryhalinity

Salinity
Kuperman, B. I., 1978, Biol. Moria, Vladivostok (4), 53-60
Eubothrium salvelini, E. crassum, life cycles, egg structure, influence of salinity on ontogenesis of early stages: Kamchatka river basin

Salinity
Mills, C. A., 1979, Internat. J. Parasitol., v. 9 (6), 603-608
Transversotrema patialense, cercarial, post-cercarial, and adult stages, influence of differing ionic environments on survival and infectivity

Salinity
Moeller, H., 1978, J. Fish Biol., v. 12 (4), 311-323
fish parasites, effects of salinity and temperature on development and survival of parasitic and free-living stages

Salinity
Nollen, P. M.; Samizadeh-Yazd, A.; and Snyder, D. E., 1979, J. Parasitol., v. 65 (5), 772-776
Philophthalmus spp., longevity and hatchability of miracidia, effects of salinity, pH, and temperature

Salinity
Nwosu, A. B. C., 1978, Ztschr. Parasitenk., v. 56 (3), 243-249
Ancylostoma tubaeforme, free-living phase, roles of temperature, pH, salinity, and lipid content in development

Salinity
Ørnbjerg Christensen, N.; Frandsen, F.; and Nansen, P., 1979, Ztschr. Parasitenk., v. 59 (3), 267-275
Schistosoma mansoni cercariae, mice, host-penetrative capacity under selected environmental exposure conditions and in relation to some parasite- and final-host-related factors

Salinity
Ørnbjerg Christensen, N.; Nansen, P.; and Frandsen, F., 1978, J. Helminth., v. 52 (1), 61-67
Fasciola hepatica, host-finding capacity of miracidia in relation to time, number of miracidia per snail (Lymnaea truncatula), and several physico-chemical environmental factors (light/dark, water volume, pH, turbidity, salinity)

Salinity
Rao, U. S. B.; Gajanana, A.; and Rajagopalan, P. K., 1979, Indian J. Med. Research, v. 69, 423-427
Romanomermis sp., tolerance of preparasitic nemas and adults to different pH and salinity, laboratory and field trials, limited utility as biological agent in polluted water

Salinity
Styczynska-Jurewicz, E., 1971, Acta Parasitol. Polon., v. 19 (19-28), 257-268
cercariae of 3 marine species vs. a fresh-water species, life span and behavior in relation to changes in salinity: Atlantic tidal region in Brittany, region of Le Tour du Parc, France; artificial reservoir in Forest of Paimpont near Rennes, France

Salinity
Vorhees, J. T.; and Schwartz, F. J., 1979, Tr. Am. Fish. Soc., v. 108 (2), 191-196
Lernaeenicus radiatus on Brevoortia tyrannus and Micropogon undulatus, attachment site, seasonality, abundance, and incidence in relation to water temperature and salinity variations: Cape Fear River, North Carolina

Sanitation and hygiene. [See also Disease transmission; Public health]

Sanitation and hygiene
Buck, A. A.; Anderson, R. I.; and MacRae, A. A., 1978, Tropenmed. u. Parasitol., v. 29 (3), 253-268
polyparasitism, humans, epidemiology, assessment of combined effects of multiple infections on an individual's state of health, comparative analysis of field data obtained from several tropical villages

Sanitation and hygiene
Chauhan, P. P. S.; et al., 1978, Indian Vet. J., v. 55 (12), 1011-1013
Neoascaris vitulorum eggs, action of boiling water, direct sunlight, and lysol on viability, tested by infectivity to albino rats

Sanitation and hygiene
da Cunha, A. S.; et al., 1977, Rev. Inst. Med. Trop. S. Paulo, v. 19 (5), 289-300
Entamoeba histolytica, comparative epidemiological survey, rural vs. urban areas, highest prevalence directly related to lowest sanitary conditions, clinical manifestations, associated parasitism: Brazil

Sanitation and hygiene
Engbaek, K.; and Larsen, S. O., 1979, Ugeskr. Laeger, v. 141 (17), 1128-1131
Giardia lamblia, Entamoeba coli, Trichuris trichiura, socio-epidemiological study of infected families, emphasis on living conditions, social standards, and clinical symptoms: Denmark

Sanitation and hygiene
Forstner, M. J., 1973, Tieraerztl. Prax., v. 1 (1), 119-126
parasitic problems associated with disposal of sewage, sludge, and wastes of domestic animals, suggested control measures: West Germany

Sanitation and hygiene
Kapoor, S., 1978, Trop. and Geogr. Med., v. 30 (2), 253-256
Taenia solium, human ocular cysticercosis, frequent occurrence, poor hygiene, case reports; localization in various countries compared: Andhra and Tamilnadu states, India

Sanitation and hygiene
Khizhniak, N. I.; et al., 1976, Med. Parazitol. i Parazitar. Bolezni, v. 45 (2), 232-233
contamination of various utensils with helminth eggs in children's institutions, comparison of 2 methods of examination and counting: Borispol district, Kiev region

Sanitation and hygiene
Kluska, J., 1978, Terap. i Leki, v. 6, v. 28 (3), 107-112
Enterobius, lambliasis, institutionalized children, control by improved sanitation and hygiene in conjunction with anthelmintics

Sanitation and hygiene
Kuz'menko, V. D.; Pankov, N. V.; and Red'kin, A. A., 1979, Gig. i Sanitariia (6), 77
ascariasis, trichuriasis, role of fruit and vegetable shops in spread, preventive sanitation measures

Sanitation and hygiene
de Leon, D.; and Soldevila, M., 1978, J. Agric. Univ. Puerto Rico, v. 62 (4), 428-430
Capillaria annulata, Heterakis gallinarum, fatal infection in Numida meleagris (crop, caeca), case report, commercial producers must observe strict cleanliness and management practices: Puerto Rico

Sanitation and hygiene
Pandey, V. S.; and Mbemba, Z., 1976, Ann. Soc. Belge Med. Trop., v. 56 (1), 43-46
Cysticercus cellulosae, survey of slaughtered pigs, high incidence in some areas attributed to poor sanitation, living habits, and absence of control facilities, implications for continued spread to both man and animals: Zaire

Sanitation and hygiene
Richmond, S. M., 1976, State Vet. J., Min. Agric., Fish. and Food (93), v. 31, 258-263
Cysticercus bovis, cattle, outbreak resulting from single human carrier of Taenia ova, need for sanitary facilities for workers on beef cattle enterprises and for veterinary control of meat inspection, review of meat inspection regulations: Scotland

Sanitation and hygiene
Rodrigues, E. C.; et al., 1972, Rev. Saude Pub., S. Paulo, v. 6 (4), 343-359
survey, health conditions of elementary school children, 89.4% of children examined had intestinal parasites, correlation with poor sanitation and living conditions: Sao Paulo City, Brazil

Sanitation and hygiene
Rousseau, M., 1975, 25. Internat. Apicult. Cong. (Grenoble, Sept. 8-14), 394-398
Nosema apis, bees, prophylactic control by sanitation and other management tactics, drugs used only on supplementary basis

Sanitation and hygiene
Simanjuntak, G. M.; et al., 1977, Southeast Asian J. Trop. Med. and Pub. Health, v. 8 (4), 494-497
prevalence survey of taeniasis in humans and cysticercosis in pigs, socio-ecological data indicated infections in humans to be more common in those who ate raw meat dishes rather than those who were mostly fish eaters, poor sanitary conditions and easy access of pigs to human feces perpetuated infections in both pigs and humans: Bali Island, Indonesia

Sanitation and hygiene
Uvaliev, I. U.; and Baigaziev, K. K., 1979, Vestnik Sel'skokhoz. Nauki Kazakhstana (1), 75-78
besnoitiosis, bovine, disinfection of animals or hides by sodium hydroxide solution spray; disinfection of premises by sodium hydroxide or chlorine solution sprays

Sanitation and hygiene
Willomitzer, J.; and Tomanek, J., 1978, Veterinarstvi, v. 28 (12), 533-534
Taeniarhynchus saginatus, bovine, veterinary hygienic aspects, review

Sanitation and hygiene
Zharikov, I. S.; and Antonenko, A. E., 1978, Veterinariia, Moskva (12), 63-64
helminth eggs, coccidia oocysts, disinfection of manure with penetrating electron radiation, dosages necessary

Sardinia. See Italy, Sardinia.

Saskatchewan. See Canada, Saskatchewan.

Saudi Arabia
Abu Yaman, I. K., 1978, Ang. Parasitol., v. 19 (1), 31-33
insects and other pests affecting man and animals in Saudi Arabia

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Guttowa, A., 1970, Acta Parasitol. Polon., v. 18 (27-41), 323-340
Diphyllobothrium latum, main foci of occurrence and their character, infection of human population and of fishes, question of first intermediate host (Copepoda), epidemiology, review: Baltic region

Seas, Baltic Sea
Odening, K., 1978, Ang. Parasitol., v. 19 (3), 168-186
conclusion of systematic list of trematodes and their host species recorded from German Democratic Republic and adjacent region of Baltic Sea

Seas, Black Sea
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ichthyoparasite fauna, extensity and intensity of invasion, species composition: 4 estuaries, Black Sea (northern coastal region)

Seas, Caspian Sea
Lomakin, V. V., 1974, Trudy Gel'mint. Lab., Akad. Nauk SSSR, v. 24, 86-96
nematodes of fishes, ecological-faunistic analysis, families and feeding habits of fishes, host specificity, review: Caspian Sea

Seasonal distribution. [See also Overwintering]

Seasonal distribution
Al'betova, L. M., 1975, Izvest. Gosudarstv. Nauchno-Issled. Inst. Ozer. i Rech. Ryb. Khoziaistva, Leningrad, v. 93, 105-107
Proteocephalus exiguus, seasonal and age dynamics in [Coregonus]: Tiumen oblast

Seasonal distribution
Amanniiazova, R. D., 1976, Med. Parazitol. i Parazitar. Bolezni, v. 45 (1), 92-93
gamasid mite fauna of Rhombomys opimus; seasonal variation in density and age composition of Hirstionyssus meridianus, Haemolaelaps longipes, and H. angustiscutis: submountain plains of Kopetdag

Seasonal distribution
Amin, O. M., 1976, J. Med. Entom., v. 13 (2), 179-192
fleas of mammals, morphological variations in certain key diagnostic characters, seasonal distribution, sex ratio, host sex: southeastern Wisconsin

Seasonal distribution
Amin, O. M.; and Burrows, J. M., 1977, J. Fish. Research Bd. Canada, v. 34 (3), 325-331
Echinorhynchus salmonis in fishes, seasonal distribution and development, sex ratio, distribution in host intestine, host age and sex, pathogenicity: southwestern Lake Michigan

Seasonal distribution
Andersen, K., 1978, Ztschr. Parasitenk., v. 56 (1), 17-27
helminths, Perca fluviatilis gut, seasonal appearance and abundance, possible associations between various species, small oligotrophic lake: southern Norway

Seasonal distribution
Anderson, R. M.; and May, R. M., 1979, Parasitology, v. 79 (1), 63-94
Schistosoma spp. infections within snail populations, prevalence, spatial and temporal heterogeneity, duration of larval development and its dependence on temperature, mortality rates of infected and uninfected hosts; comparison of observed patterns with model predictions; new age-prevalence model, predictions compared with observed patterns; implications for overall transmission dynamics

Seasonal distribution
Andrews, J. D., 1968, Proc. 1967 National Shellfish Ass., v. 58, 23-26
Minchinia nelsoni in Crassostrea virginica (susceptible imports, native oysters and progeny), seasonal patterns of morbidity and mortality, survival of early generations in MSX-prevalent areas suggests that acquired resistance is involved; hypotheses on origin of infection and life cycle of pathogen: Virginia waters

Seasonal distribution
Arbuckle, J. B. R.; and Khalil, L. F., 1978, Vet. Rec., v. 102 (10), 207-210
Thelazia skrjabini, T. gulosa, cattle (eyes), seasonal prevalence, increase during late June, July, and August, 1976, more common in cattle 21-39 months old than in those under 21 months: Surrey abattoir, England

Seasonal distribution
Armour, J.; et al., 1979, Vet. Rec., v. 105 (22), 500-503
Ostertagia ostertagi, cattle, epidemiology of naturally acquired infections studied through 2 successive grazing seasons with particular reference to faecal egg counts, herbage larval numbers, worm burdens, and plasma pepsinogen levels: south west Scotland

Seasonal distribution
Atakpa, T. O. U.; et al., 1978, Ann. Trop. Med. and Parasitol., v. 72 (2), 123-126
human amoebiasis, evaluation of the gel diffusion test for diagnostic purposes, definite seasonal variation in number of clinical cases and number of positive tests for amoebic precipitins (increase during wet season): Nigeria

Seasonal distribution
Ayala, S. C.; et al., 1977, Rev. Inst. Med. Trop. S. Paulo, v. 19 (6), 411-416
Haemoproteus, Plasmodium, and hippoboscid ectoparasites of Zenaida auriculata caucae, infection patterns and dove population dynamics, seasonal prevalence: Cauca River valley, Colombia

Seasonal distribution
Badie, A., 1978, Ann. Parasitol., v. 53 (4), 373-385
Dicrocoelium lanceolatum, sheep, annual activity cycle of intermediate hosts (Cionella lubrica, Formica nigricans and F. cunicularia), seasonal variation in number of parasitized ants, effect of climatic factors (temperature, rainfall), application to forecasting method: Limousin

Seasonal distribution
Bae, P. A.; Kang, P. A.; and Kim, Y., 1977, Bull. Fish. Research and Development Agency (Kungnip Susan Chinghungwon yon'gu pogo) (18), 131-140
Bacciger harengulae, cercarial development and seasonal incidence in hard clam, Meretrix lusoria (gonad, midgut, gill): western and southern coasts of Korea

Seasonal distribution
Bailey, C. H.; and Gordon, R., 1977, Canad. J. Zool., v. 55 (1), 148-154
Neomesomermis flumenalis in Simuliidae, spatial and host differences in rates of infection, temporal and (parasite) sex differences in emergence pattern of postparasites

Seasonal distribution
Bain, S. A.; and Kelly, J. D., 1977, N. Zealand Vet. J., v. 25 (1-2), 27-28
Anoplocephala perfoliata, survey of prevalence in horses, seasonal occurrence, no significant differences between ages or sexes of host: abattoir, South Auckland

Seasonal distribution
Baird, C. R., 1979, J. Parasitol., v. 65 (4), 639-644
Cuterebra tenebrosa, incidence in Neotoma cinerea from April to November of 1970 and 1971, experimental infections attempted in captive rodents and rabbits, dosage level and effect on hosts, larval migration, site of larval development, acquired immunity, egg viability

Seasonal distribution
Baker, M. R., 1978, Canad. J. Zool., v. 56 (5), 1026-1031
Oswaldocruzia pipiens, development and transmission in amphibians, prevalence and intensity in different months and in different host size classes: near Guelph, Ontario

Seasonal distribution
Bali, M. K.; and Singh, R. P., 1977, Haryana Agric. Univ. J. Research, v. 7 (3), 143-148
Haemonchus contortus, sheep and goats, seasonal prevalence apparently influenced by temperature, relative humidity, and rainfall: Hissar

Seasonal distribution
Bartoli, P.; and Prevot, G., 1978, Ann. Parasitol., v. 53 (2), 181-193
Maritrema misenensis, ecological conditions required for life cycle, different intermediate hosts utilized in lagoon vs. marine habitat, method of infestation of second intermediate host, variation in parasitism of second intermediate host in relation to season and age and sex of host: region de Brusc, Provence, France

Seasonal distribution
Bashirov, R. G., 1975, Vet. Nauka--Proizvod., Trudy, Minsk, v. 13, 129-134
nematodes, trematodes, cattle, age and seasonal dynamics on specialized farms: Belorussia

Seasonal distribution
Bauch, R. J., 1973, Ang. Parasitol., v. 14 (4), 208-213
Ixodes ricinus larvae on Apodemus flavicollis and Clethrionomys glareolus, seasonal occurrence, localization on host body: DDR-Bezirk Magdeburg

Seasonal distribution
Beck, J. T., 1979, Parasitology, v. 79 (3), 431-449
Probopyrus pandalicola-infected Palaemonetes paludosus, distribution, infection levels by site and season and by host sex and size, parasite burden, regulation of host-parasite (parasitic castrator) interactions: Florida

Seasonal distribution
Beesley, J. E., 1977, J. Invert. Path., v. 30 (2), 249-254
Rasajeyna nannyla in Tipula paludosa and T. vittata, incidence throughout 2-year sampling period, incidence as a function of temperature: 2 different sites (one damp and one dry) in Northumberland, England

Seasonal distribution
Beesley, J. E., 1978, J. Invert. Path., v. 31 (2), 255-259
Rasajeyna nannyla, seasonal abundance of three life cycle stages in Tipula paludosa and T. vittata: Northumberland, United Kingdom

Seasonal distribution
Bejsovec, J., 1976, Ang. Parasitol., v. 17 (4), 196-207
Syngamus trachea in domestic and free-living birds, influence of ecological factors on occurrence and seasonal dynamics with particular attention to effect of large-scale farming: Czechoslovakia

Seasonal distribution
Bejsovec, J., 1978, Ang. Parasitol., v. 19 (2), 76-85
Eimeria phasiani and E. colchici in Phasianus colchicus, dynamics of incidence dependent upon host biotope, host movements, season, temperature, and humidity: Mittelbohmen

Seasonal distribution
Belozerov, V. N., 1973, Parazitologiia, Leningrad, v. 7 (1), 14-18
Dermacentor silvarum, capability of adult females to engorge depends on temperature and photoperiod at prefeeding stage, thus certain conditions may give rise to a form of diapause as a seasonal adaptation

Seasonal distribution
Benko, L.; and Gaspar, P., 1977, Bull. Animal Health and Prod. Africa, v. 25 (3), 325
Sarcocystis spp., cattle, incidence in relation to rainy vs. dry seasons: abattoir, Zambia

Seasonal distribution
Beverley-Burton, M.; and Pippy, J. H. C., 1978, Environment. Biol. Fish., v. 3 (2), 211-222
Anisakis simplex in Salmo salar, sites of infection, prevalence, variation in mean numbers of larvae per fish in relation to host's sex, age, geographic locality, and year and season of capture; mean numbers as biological indicator of host stock composition: 14 sampling stations, North Atlantic

Seasonal distribution
Bezubik, B.; Sinski, E.; and Swietlikowski, M., 1970, Acta Parasitol. Polon., v. 18 (27-41), 441-451
gastrointestinal nematodes, Strongyloides papillosus, Dictyocaulus filaria, Moniezia sp., seasonal dynamics in different age classes of sheep in relation to nilverm treatment

Seasonal distribution
Bezubik, B.; Stankiewicz, M.; and Chomicz, L., 1970, Acta Parasitol. Polon., v. 18 (13-26), 299-303
coproscopic examination of sheep, extensiveness of helminth infection in different host age groups and in different seasons of year, results compared with previously published post-mortem examinations of sheep in same area: Carpathian Mountains

Seasonal distribution
Bogush, A. A.; and Pyshko, I. I., 1974, Vet. Nauka--Proizvod., Trudy, Minsk, v. 12, 130-132
sarcocysts in swine, seasonal dynamics: Belorussia

Seasonal distribution
Boiko, V. A.; Aiupov, A. S.; and Ivliev, V. G., 1973, Parazitologiia, Leningrad, v. 7 (6), 536-540
Ornithomya avicularia on birds, host size, age, habitat, and colonial vs. solitary habit, seasonal dynamics; possible role in circulation of virus of tick-borne encephalitis: Middle Povolzh'e

Seasonal distribution
Borisova, V. I., 1972, Parazitologiia, Leningrad, v. 6 (5), 457-464
ecology of nest parasites of birds with emphasis on Dermanyssus hirundinis, Ceratophyllus gallinae, and Carnus haemapterus, seasonal changes in populations, adaptation of life cycles to host life cycles: Tatar ASSR

Seasonal distribution
Bortone, S. A.; Bradley, W. K.; and Oglesby, J. L., 1978, J. Fish Biol., v. 13 (3), 337-350
copepods of Menidia spp., incidence, intensity, host-parasite interactions with emphasis on effect of host size, season, habitat, inter- and intraspecific parasite competition on host

Seasonal distribution
Boxrucker, J. C., 1979, Parasitology, v. 78 (2), 195-206
metazoan parasites of Ictalurus melas, seasonal incidence and abundance in thermal outfall area vs. unaltered area, thermal effluent had little effect on incidence, differences in abundance are considered due to factors other than temperature: Lake Monona, Dane County, Wisconsin

Seasonal distribution
Bray, R. S.; and Anderson, M. J., 1979, Tr. Roy. Soc. Trop. Med. and Hyg., v. 73 (4), 427-431
Plasmodium falciparum, prevalence and density in pregnant women (by age/parity), recently pregnant women, and infants, malarial antibody levels in cord blood, seasonal variations: The Gambia

Seasonal distribution
Breev, K. A.; and Sultanov, F. R., 1975, Parazitologiia, Leningrad, v. 9 (1), 47-56
Oestrus ovis, sheep, body length of 1st instar larvae and body weight of 2nd and 3rd instar larvae at different times of year and in different regions, statistical analysis, implications for course of development: Azerbaidzhan

Seasonal distribution
van den Broek, W. L. F., 1979, J. Fish Biol., v. 14 (4), 371-380
copepods of Merlangius merlangus and Platichthys flesus, seasonal changes in levels of infestation related to annual migrations of young fish into estuary, localization, age of host: Medway Estuary, Kent

Seasonal distribution
van den Broek, W. L. F., 1979, J. Fish Biol., v. 14 (4), 395-402
Cryptocotyle lingua, incidence and intensity of infection, seasonal levels of infection prove useful indicators to migratory movements of individual fish populations, localization, host age: Medway Estuary, Kent

Seasonal distribution
Brooks, J. E.; et al., 1977, Southeast Asian J. Trop. Med. and Pub. Health, v. 8 (3), 335-344
Xenopsylla cheopis, X. astia, vectors of plague in small mammals, seasonal distribution of plague-positive animals followed closely the peak index of fleas on the animals: Rangoon, Burma

Seasonal distribution
Bukshtynov, V. I., 1978, Veterinariia, Moskva (9), 60-62
Oestrus ovis, sheep, temperature as most significant factor in predicting time of development in relation to season

Seasonal distribution
Bulow, F. J.; Winningham, J. R.; and Hooper, R. C., 1979, Tr. Am. Fish. Soc., v. 108 (1), 100-102
Lernaea cyprinacaea, seasonal occurrence in stream fish population: Blackburn Fork watershed, Tennessee

Seasonal distribution
Burreson, E. M.; and Allen, D. M., [1979], J. Parasitol., v. 64 (6), 1978, 1082-1091
Mysidobdella borealis comb. n., revised diagnosis, external and internal anatomy, geographical and seasonal occurrence along northeastern coast of United States and Canada, aspects of its biology in association with mysid hosts (attachment to hosts, host preference, reproductive behavior)

Seasonal distribution
Burrough, R. J., 1978, J. Fish Biol., v. 13 (1), 19-32
Tylodelphys clavata and Diplostomum spathaceum in roach, rudd, and roach/rudd hybrids, population biology, seasonal changes in incidence, intensity of infection, and frequency distribution, relationship of infection to fish size (age)

Seasonal distribution
Byram, J. E.; and Byram, K. W., 1976, Rice Univ. Studies, v. 62 (4), 43-67
Moniliformis dubius, larval morphogenesis in Periplaneta americana, effect of temperature, season, photoperiod, and elevated temperature stress, morphological anomalies

Seasonal distribution
Carneiro, J. R.; and Freitas, M. G., 1977, Arq. Escola Vet. Univ. Fed. Minas Gerais, v. 29 (1), 49-61
gastrointestinal nematodes, calves of various ages born during rainy season: State of Goias

Seasonal distribution
Casto, S. D., 1976, J. Med. Entom., v. 13 (3), 357-360
Syringophiloidus minor, population development in juvenal and nuptial plumages of Passer domesticus, winter dispersal, dispersal into unoccupied coverts of adult birds not observed, effect of dispersal on population composition, population dynamics in the 2 plumages

Seasonal distribution
Chakrabarti, A.; and Misra, S. K., 1979, Indian Vet. J., v. 56 (6), 497-500
Demodex canis, dogs, incidence in relation to season, host age, sex, and breed, clinical manifestations, in vivo and in vitro activity of several acaricides: India

Seasonal distribution
Chambers, R.; et al., 1979, J. Trop. Med. and Hyg., v. 82 (8), 156-172
conference on seasonal dimensions to rural poverty, including tropical parasitic diseases in tropical areas of Africa and Asia

Seasonal distribution
Chernysheva, N. B., 1973, Parazitologiia, Leningrad, v. 7 (6), 485-488
Sphaerospora cristata, plasmodia and spores found in Lota lota (kidneys), life cycle, host age, infection rate increases during winter: lake Vrevo, Leningradsk oblast

Seasonal distribution
Chieffi, P. P.; and Mueller, E. E., 1978, Rev. Inst. Adolfo Lutz, v. 38 (1), 13-16
Toxocara sp. eggs, monthly variation of soil contamination: urban area of Londrina, state of Parana, Brazil

Seasonal distribution
Chiejina, S. N.; and Clegg, F. G., 1978, Brit. Vet. J., v. 134 (6), 541-550
Ostertagia ostertagi, cattle, epidemiology, herbage infection, disease incidence, serum pepsinogen levels (useful reflection of seasonal incidence), weather, 1974-1976: East Midlands, England

Seasonal distribution
Cloutman, D. G., 1978, J. Parasitol., v. 64 (1), 170-172
Cleidodiscus pricei on Ictalurus platycephalus (gills), significant difference in intensity among different host age groups but not between males and females, seasonal abundance, possible role of immunity: Lake Norman, North Carolina

Seasonal distribution
Conlogue, G.; et al., 1979, J. Parasitol., v. 65 (1), 105-108
Capillaria hepatica in Rattus norvegicus, infection rate, host age and sex, seasonal variation, possible public health implications: Hartford, Connecticut

Seasonal distribution
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Seasonal distribution
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Seasonal distribution
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Seasonal distribution
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Seasonal distribution
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Seasonal distribution
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Seasonal distribution
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Seasonal distribution
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Seasonal distribution
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Haematopinus apri on wild Sus scrofa, incidence and intensity, geographic distribution, host age and sex, seasonal dynamics of infestation and louse population structure, distribution on host body: Poland

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Seasonal distribution
Karim, M. A., 1979, Trop. Animal Health and Prod., v. 11 (4), 239-240
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Seasonal distribution
Karpovich, V. N., 1970, Parazitologiia, Leningrad, v. 4 (4), 345-351
Ceratixodes putus, incidence on adult and juvenile birds, distribution of various life cycle stages on host in relation to surface temperatures of various sections of body, dates of attacking behavior and development in relation to temperature and microclimate of habitats: east Murmansk

Seasonal distribution
Karpovich, V. N., 1973, Parazitologiia, Leningrad, v. 7 (2), 128-134
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Seasonal distribution
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Seasonal distribution
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Diplozoon nipponicum in crucian carp (gills), hypochromic microcytic anemia, hematological characteristics, incidence in relation to season and host size, effective treatment with trichlorfon (DEP): basin of the river Asakawa

Seasonal distribution
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Seasonal distribution
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helminths of British freshwater fish, population biology: the systems approach; distribution of parasites in the fish population; intermediate host-parasite systems; definitive host-parasite systems (life span and maturation cycle, population changes and their controlling factors, species exhibiting and not exhibiting seasonal cycles in incidence)

Seasonal distribution
Kennedy, C. R., 1979, J. Fish. Biol., v. 15 (2), 223-236
Eubothrium parvum in Mallotus villosus, distribution, incidence, intensity, seasonal changes in size and maturity, dispersion throughout its host populations (in relation to host age and size; frequency distributions), possible use as biological tag: Barents Sea; Balsfjord, close to Lyngen Fjord, North Norway

Seasonal distribution
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gastro-intestinal strongylosis, ruminants, proposed theories for explaining 'spring-rise' in elimination of helminth eggs, review with new theory

Seasonal distribution
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Argas arboreus, diapause incidence, intensity, and seasonal distribution in field collected vs. laboratory-reared females

Seasonal distribution
Khudaverdiev, T. P., 1977, Veterinariia, Moskva (3), 72-74
[Onchocerca sp.], cattle, seasonal distribution, fly vectors, control with chlorophos: Nakhichevansk ASSR

Seasonal distribution
Khudaverdiev, T. P., 1979, Veterinariia, Moskva (2), 46-47
[Dirofilaria], canine, seasonal distribution in mosquitoes, control of larval, pupal, and adult mosquitoes by insecticides: Nakhichevansk ASSR

Seasonal distribution
King, C. M., 1976, J. Zool., London, v. 180 (4), 525-535
fleas of Mustela nivalis, seasonal distribution, host specificity, origin of fleas on host: Wytham Woods, near Oxford

Seasonal distribution
Kinsella, J. M., 1974, J. Med. Entom., v. 11 (1), 116
Porocephalus crotali in Oryzomys palustris (spleen, liver, lungs, mesenteries, epididymis, walls of abdominal and pleural cavities), seasonal incidence: Cedar Key, Levy Co., Florida

Seasonal distribution
Kir'iakova, A. N.; Koptsev, L. A.; and Koptseva, Z. G., 1970, Parazitologiia, Leningrad, v. 4 (6), 528-536
Xenopsylla spp., occurrence and timing of one generation per year, implications for role of fleas in disease transmission: northern Kzylkum

Seasonal distribution
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intestinal helminths of Clethrionomys glareolus, structure and seasonal dynamics of helminth groupings in a host population: Bialowieza National Park, Poland

Seasonal distribution
Kisielewska, K., 1970, Acta Parasitol. Polon., v. 18 (13-26), 163-176
structure and seasonal dynamics of intestinal helminth groupings in Clethrionomys glareolus populations of various forest biocoenoses in Poland

Seasonal distribution
Kisielewska, K., 1970, Acta Parasitol. Polon., v. 18 (13-26), 177-196
intestinal helminths of Clethrionomys glareolus, distribution pattern of helminth species within host population, seasonal variability, age and sex structure of host population: Poland

Seasonal distribution
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Seasonal distribution
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E[imeria spp.], calves, heifers, and cows, age and seasonal dynamics: Loveshk okrug

Seasonal distribution
Kolonin, G. V., 1978, Ekologiia, Sverdlovsk (3), 104-105
ixodid ticks, sex ratios of natural pasture populations, seasonal changes: Primorskii krai

Seasonal distribution
Kosminskii, R. B.; et al., 1979, Vestnik Zool., Akad. Nauk Ukrainsk. SSR, Inst. Zool. (2), 48-53
Amphipsylla rossica, ecology, field and laboratory studies: feeding, reproduction, development, survival, and longevity under various conditions of temperature and humidity; age composition and physiological state of populations in different months; abundance on Microtus arvalis and in its nests and burrow entrances in different months: Transcaucasian highlands

Seasonal distribution
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Seasonal distribution
Krafsur, E. S.; and Armstrong, J. C., 1978, Tr. Roy. Soc. Trop. Med. and Hyg., v. 72 (4), 348-356
Plasmodium falciparum, risk of contracting malaria as derived from entomological data, comparison with parasitologically-estimated infection rates and seasonal distribution in children vs. adults: Gambela, western Ethiopia

Seasonal distribution
Krampitz, H. E.; and Baeumler, W., 1978, Ztschr. Parasitenk., v. 58 (1), 15-33
Babesia microti in Microtus agrestis, prevalence by host sex and weight and by months, splenomegaly, only Ixodes ricinus found on mammals and vegetation of surveyed area; experimental host range: westlich von Munchen

Seasonal distribution
Krasnolobova, T. A., 1971, Trudy Gel'mint. Lab., Akad. Nauk SSSR, v. 22, 92-118
Plagiorchis elegans, development in final hosts, morphological variation, effect of host species, parasite age, and season

Seasonal distribution
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Eimeria spp., goats (feces), prevalence and seasonal incidence: slaughter house at Parbhani, Mahrasthra state

Seasonal distribution
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Seasonal distribution
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Echinococcus multilocularis, factors influencing prevalence in Vulpes vulpes from 1965-1972: effects of collection interval (sampling year), climatic season, age and sex of host, geographic region, interactions between these variables, and definitive host prevalence and density: North Dakota

Seasonal distribution
Kuhlow, F.; and Zielke, E., 1978, Tropenmed. u. Parasitol., v. 29 (3), 371-381
Wuchereria bancrofti, human, epidemiology in savannah vs. forest regions, dynamics and intensity of transmission, vector survey: Liberia

Seasonal distribution
Kulachkova, V. G., 1972, Parazitologiia, Leningrad, v. 6 (3), 297-304
helminths of Sagitta elegans, annual and seasonal dynamics, occurrence compared with other geographic areas: White Sea

Seasonal distribution
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Gyrodactylus sp., size of anchors and marginal hooks on opisthaptor, seasonal variation, dependence on water temperature, natural and experimental evidence

Seasonal distribution
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Trichobius corynorhini on hibernating Plecotus townsendii, parasite distribution on host, frequency and levels of infestation in relation to host density and clustering behavior and sex, value of these adaptations

Seasonal distribution
Ladds, P. W.; Nitisuwirjo, S.; and Goddard, M. E., 1979, Austral. Vet. J., v. 55 (10), 455-462
Onchocerca gibsoni, slaughtered cattle, infection rate and nodule characteristics in relation to geographic region, season, breed, sex, and age of host: Australia

Seasonal distribution
Lee, E. H.; and Onderka, D. K., 1978, Canad. Vet. J., v. 19 (9), 237-243
Eimeria spp., chickens, incidence of clinical coccidiosis by month of year and age of host in the Ontario Veterinary Services Branch records 1973-1977, possible use of data to synchronize drug rotation with change in incidence

Seasonal distribution
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helminth fauna of Larus argentatus, intensity and extensity, host age and seasonal dynamics: Black Sea preserve, Kherson oblast

Seasonal distribution
Letch, C. A.; and Ball, S. J., 1979, Parasitology, v. 79 (1), 119-124
Trypanosoma cobitis, prevalence in fish, seasonal fluctuation, host age: River Lee at Enfield Lock

Seasonal distribution
Lewis, R. E.; Siler, J. R.; and Olmsted, L. L., 1977, Proc. 31. Ann. Conf. Southeast. Ass. Fish and Wildlife Agencies, 372-379
Epistylis [sp.], fishes, host specificity, intensity of infestation, attachment site, factors affecting prevalence (host length, water quality, season): North Carolina

Seasonal distribution
Lightner, L.; Christensen, B. M.; and Beran, G. W., 1978, J. Am. Vet. Med. Ass., v. 172 (5), 564-567
intestinal nematodes of dogs and cats, prevalence, sex and age of host, seasonal patterns, statistics obtained from records of the Iowa State University Veterinary Clinic: Ames, Iowa

Seasonal distribution
Lin, Y. K.; Ho, Y. C.; and Sung, Y. L., 1975, Tung Wu Hsueh Pao (Acta Zool. Sinica), v. 21 (2), 141-154
Moniezia expansa, goats, seasonal incidence, age of host, biology of oribatid mite vectors, control measures: Sieng-Yu district, coastal Fukien

Seasonal distribution
McGowan, M. J.; Camin, J. H.; and McNew, R. W., 1979, J. Parasitol., v. 65 (5), 692-699
Haemaphysalis leporispalustris infestations of juvenile and adult Sylvilagus floridanus from January 1974-December 1975 in Douglas County, Kansas, relationship to skin-sensitizing antibody production, models used to interpret data show promise for predicting tick population fluctuations and incidence of vector borne disease outbreaks, implications of existence of resistance to tick attachment

Seasonal distribution
MacLeod, J.; and Mwanaumo, B., 1978, Bull. Entom. Research, v. 68 (3), 409-429
ixodid ticks of wild animals and cattle, anomalous infestation patterns in 3 ecologically different areas, seasonal distribution: Zambia

Seasonal distribution
Madhavi, R., 1979, J. Fish Biol., v. 14 (1), 47-58
Allocreadium fasciatusi in Aplocheilus melastigma, seasonal changes in incidence and intensity, maturation cycle, host sex and length, seasonal occurrence in intermediate host Amnicola travancorica: stream at Waltair, India

Seasonal distribution
Malczewski, A., 1970, Acta Parasitol. Polon., v. 18 (13-26), 245-254
helminth fauna of sheep, slaughterhouse survey, simplified method of necropsy employed for collecting gastro-intestinal helminths, seasonal distribution data for Haemonchus, Teladorsagia, and Trichostrongylus: Poland

Seasonal distribution
Malczewski, A., 1970, Acta Parasitol. Polon., v. 18 (27-41), 417-434
Ostertagia ostertagi, Trichostrongylus axei, Haemonchus contortus, seasonal dynamics in calves, discussion in relation to inhibition of larval development and spring rise phenomenon: Poland

Seasonal distribution
Manafova, Sh. G., 1978, Izvest. Akad. Nauk Azerbaidzhan. SSR, s. Biol. Nauk. (4), 75-79
coccidiosis, cattle, zebu, buffalo, age and seasonal dynamics: Azerbaidzhan

Seasonal distribution
Manas Almendros, I.; et al., 1978, Rev. Iber. Parasitol., v. 38 (3-4), 751-773
Dicrocoelium dendriticum, frequency in cattle, according to host age and sex, seasonal distribution: Granada, Spain

Seasonal distribution
van Maren, M. J., 1979, Bijdr. Dierk., Amsterdam, v. 48 (2), 97-110
Pomphorhynchus laevis, Polymorphus minutus, and Metechinorhynchus truttae in Gammarus fossarum, occurrence and infestation rates in relation to intermediate host life cycle, occurrence in final hosts: Rhone river system, near Lyon

Seasonal distribution
Marzochi, M. C. de A., 1977, Rev. Inst. Med. Trop. S. Paulo, v. 19 (3), 148-155
enteroparasitic cysts and eggs, contamination of green vegetables and kitchen garden soils, epidemiological survey, most commonly found during dry-season when fecal polluted brooks were used for irrigation: Ribeirao Preto, Sao Paulo, Brasil

Seasonal distribution
Matsuev, V. M., 1973, Vet. Nauka--Proizvod., Trudy, Minsk, v. 11, 159-162
nematodes, coccidia, age and seasonal dynamics of infection rates of chickens

Seasonal distribution
Meek, A. H.; and Morris, R. S., 1979, Austral. Vet. J., v. 55 (8), 365-369
Fasciola hepatica, sheep grazing on irrigated vs. non-irrigated pastures, temporal distribution of acquisition of infection, influence of infection on productivity, outline of suitable treatment regimen: northern Victoria

Seasonal distribution
Mehrotra, P.; and Singh, T., 1979, Indian J. Animal Sc., v. 49 (9), 755-756
Haematopinus tuberculatus, seasonal occurrence on buffalo: Bikaner Division, Rajasthan

Seasonal distribution
de Melo, H. J. H., 1977, Arq. Escola Vet. Univ. Fed. Minas Gerais, v. 29 (1), 89-95
gastro-intestinal nematodes, incidence in cattle on pastures during dry period: Savannah area of Mato Grosso State, Brazil

Seasonal distribution
Michel, J. F.; Lancaster, M. B.; and Hong, C., 1978, J. Comp. Path., v. 88 (1), 131-136
Ostertagia ostertagi, Cooperia oncophora, arrested development, seasonal effects on conditioning and deconditioning of infective larvae were minimal

Seasonal distribution
Miln, A. J., 1978, N. Zealand Entom., v. 6 (4), 392-399
Mattesia sp. and Nosema takapauensis in Costelytra zealandica, incidence among larvae, seasonal distribution, growth and development of diseased larvae, mortality, transmission by soil: New Zealand

Seasonal distribution
Minar, J.; and Dorzh, C., 1970, Folia Parasitol., v. 17 (1), 91-92
Hypoderma spp., cattle, infestation in relation to host age and breed, geographical area, season, and method of breeding; rearing experiments: Mongolia

Seasonal distribution
Mohammed, A. N., 1977, Bull. Animal Health and Prod. Africa, v. 25 (3), 273-293
ixodid ticks on white Fulani cattle, seasonal incidence: northern Nigeria

Seasonal distribution
Moravec, F., 1971, Folia Parasitol., v. 18 (2), 107-112
Cystidicoloides tenuissima, life history, seasonal changes in incidence, mean intensity of infection, maturation: vicinity of Hruba Voda, Czechoslovakia

Seasonal distribution
Moser, M.; and Taylor, S., 1978, Canad. J. Zool., v. 56 (11), 2372-2376
Cardiodectes medusaeus on Stenobrachius leucopsarus, prevalence in different collection sites and seasons, effects on host (pathology, mortality, parasitic castration, promoting somatic growth); hyperparasitism of copepods by Hydrichthys sp.: off Los Angeles; off Santa Barbara; off San Diego

Seasonal distribution
Muraleedharan, K.; et al., 1976, Indian Vet. J., v. 53 (10), 819-820
Schistosoma nasale in Indoplanorbis exustus, seasonal prevalence: Karnataka

Seasonal distribution
Murua, R. E., 1978, Acta Parasitol. Polon., v. 25 (11-20), 149-161
ecology of parasites of Apodemus sylvaticus and Clethrionomys glareolus: analysis of parasite populations and their seasonal variation in two contrasting habitats: Bristol area, England

Seasonal distribution
Muzzall, P. M., 1978, Proc. Helminth. Soc. Washington, v. 45 (1), 77-82
Fessisentis friedi in Caecidotea communis (hemocoel), prevalence and mean intensity in hosts of various size classes and in different seasons: 'Old Reservoir,' Durham, New Hampshire

Seasonal distribution
Muzzall, P. M.; and Bullock, W. L., 1978, J. Parasitol., v. 64 (5), 860-865
Neoechinorhynchus saginatus in Semotilus corporalis, seasonal changes in prevalence and intensity, parasite population structure, distribution in host intestine, relationship between fish size and parasite prevalence and intensity, occurrence in other hosts: Oyster River, Durham, New Hampshire

Seasonal distribution
Mzembe, S. A. T.; and Chaudhry, M. A., 1979, Trop. Animal Health and Prod., v. 11 (4), 246-250
Fasciola gigantica, ecology of intermediate host, Lymnaea natalensis; seasonal distribution of fluke infestation in snail: Malawi

Seasonal distribution
Nagar, S. K.; Saxena, V. K.; and Raizada, R. N., 1978, Indian J. Animal Sc., v. 48 (3), 173-176
Boophilus microplus, 3 breeds of cattle, infestation rate, seasonal variation, breed susceptibility: Union Territory of Delhi

Seasonal distribution
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gamasid mites, seasonal fluctuations on small rodents in a wind-shelter belt: Tonden, Sapporo, Hokkaido

Seasonal distribution
Nansen, P.; et al., 1978, Vet. Sc. Commun., v. 2 (3), 193-205
trichostrongylid, grazing cattle, factors influencing fluctuations in herbage contamination, epidemiological consequences of intensification of animal husbandry methods: Denmark

Seasonal distribution
Nawalinski, T.; Schad, G. A.; and Chowdhury, A. B., 1978, Am. J. Trop. Med. and Hyg., v. 27 (6), 1162-1173
hookworms, acquisition and loss by children over 22-month study period, host age, sex, and religion, seasonal patterns, extrapolation of estimates for larval efficiency and adult life spans: rural West Bengal

Seasonal distribution
Niak, A., 1978, Trop. Animal Health and Prod., v. 10 (1), 26-27
Trypanosoma theileri, cattle (blood), incidence, seasonal distribution: Iran

Seasonal distribution
Nilsson, A.; and Lundqvist, L., 1978, Oikos, v. 31 (3), 313-322
Ixodes ricinus larvae, overdispersed distribution on small mammal species in field during spring and autumn, host sex, feeding success on different host species under laboratory conditions, orientation, movements, and spatial frequency distribution on host body: Kullaberg, southern Sweden

Seasonal distribution
Norval, R. A. I., 1978, J. Parasitol., v. 64 (5), 910-917
Amblyomma hebraeum, repeated feeding on rabbits and sheep, tick yield, engorged weight, and engorgement period, no acquisition of resistance by host, seasonal fluctuations in engorged weights appear to be due to changes in host physiology as result of low temperature acclimatization, tick yield is determined by amount of host grooming, feeding periods of larvae and nymphs are dependent on host skin temperature

Seasonal distribution
Novozhilova, E. N., 1971, Parazitologiia, Leningrad, v. 5 (4), 377-381
seasonal occurrence of ectoparasites of Clethrionomys glareolus and inhabitants of its nest, interrelationships between different groups of arthropods on the host and/or in its nest: Komi ASSR

Seasonal distribution
Ogunrinade, A. F., 1977, Bull. Animal Health and Prod. Africa, v. 25 (2), 154-156
Oestrus ovis, West African Dwarf goats, monthly incidence: Ibadan, Nigeria

Seasonal distribution
Ogunsusi, R. A., 1979, Research Vet. Sc., v. 26 (2), 189-192
Haemonchus contortus, Trichostrongylus spp., sheep, termination of arrested development, time of year: northern Nigeria

Seasonal distribution
Ogunsusi, R. A., 1979, Research Vet. Sc., v. 26 (3), 320-323
trichostrongylid larvae, pasture infectivity for tracer lambs throughout period of one year, weather data: Guinea Savanna, Nigeria

Seasonal distribution
Okon, E. D.; and Enyenihi, U. K., 1975, Bull. Animal Health and Prod. Africa, v. 23 (2), 145-153
Haemonchus contortus, Gaigeria pachyscelis, Oesophagostomum columbianum, goats, incidence, peak adult worm burden reached by end of rains, proposed regime of anthelmintic treatment: Guinea Savannah, Sahel, and Rain Forest zones of Nigeria

Seasonal distribution
Ollerenshaw, C. B.; Graham, E. G.; and Smith, L. P., 1978, Vet. Rec., v. 103 (21), 461-465
parasitic gastroenteritis, lambs, forecasting incidence in late summer, correlation with rainfall of current year and dryness of previous late summer and autumn: England and Wales

Seasonal distribution
Olsson, G., 1977, Svensk Vet.-Tidn., v. 29 (9), 361-365
Ostertagia sp., cattle, inhibited fourth stage larvae found in abomasa from September-October until May: Uppsala, Sweden

Seasonal distribution
Osipova, N. Z., 1971, Parazitologiia, Leningrad, v. 5 (3), 274-280
gamasid mites, distribution, landscape and habitat adaptation, host relationships, seasonal dynamics: Chuisk valley, Kirgiz SSR

Seasonal distribution
Palicka, P., 1979, Ceskoslov. Epidemiol., Mikrobiol., Imunol., v. 28 (1), 29-37
scabies, human, epidemiological analysis of 9312 cases from 1961-1977, incidence, host age and sex, seasonal character, familial incidence, gypsy population as reservoir: Karvina district

Seasonal distribution
Panitz, E., 1978, Vet. Parasitol., v. 4 (2), 161-166
Gastrophilus intestinalis, G. nasalis, seasonal prevalence and infection dynamics in horses in the Mid-Atlantic United States

Seasonal distribution
Patrick, C. D.; and Hair, J. A., [1979], J. Parasitol., v. 64 (6), 1978, 1100-1106
Amblyomma americanum, effect of habitat utilization by white-tailed deer on seasonal abundance of tick populations in 3 different habitats

Seasonal distribution
Pederson, J. C., 1977, Great Basin Nat., v. 37 (3), 407-409
Dermacentor albipictus on Odocoileus hemionus (anus, ears, areas of flank and udder), rates of occurrence and infestation, seasonal distribution, age of host and parasite: Utah County, Utah

Seasonal distribution
Petersen, G. W., 1979, N. Zealand J. Zool., v. 6 (2), 319-320
Ornithonyssus bursa on Sturnus vulgaris (folds of skin, base of bill below eyes, under chin near mandible), small overwintering population forms nucleus for rapid buildup in nest boxes during host breeding season: Aokautere and near Masterton

Seasonal distribution
Petkov, A., 1977, Vet. Sbirka, v. 75 (5), 34-36
fascioliasis, sheep and cattle, distribution and seasonal dynamics: Bulgaria

Seasonal distribution
Phillips, W. J.; and Cannon, L. R. G., 1978, J. Fish Dis., v. 1 (2), 137-149
Sacculina granifera infections of Portunus pelagicus, prevalence, host age and sex, seasonal distribution, influence of parasite upon host: morphological and behavioural modifications, inhibited moulting, male sterility: Moreton Bay, Queensland

Seasonal distribution
Piesman, J.; and Spielman, A., 1979, Ann. Entom. Soc. Am., v. 72 (6), 829-832
immature Ixodes dammini, host association and seasonal abundance, role as vectors of Babesia microti: southeastern Massachusetts

Seasonal distribution
Pimentel Neto, M., 1976, Pesquisa Agropec. Brasil., s. Vet., v. 11 (9), 101-114
Haemonchus placei, dairy calves, epizootiology: seasonal fluctuations, bioclimatographs, host nutritional state, Haemonchus/Trichostrongylus interaction, hypobiosis and spring rise phenomena: Barra Mansa, State of Rio de Janeiro, Brazil

Seasonal distribution
Pointier, J. P.; and Theron, A., 1979, Ann. Parasitol., v. 54 (1), 43-56
Schistosoma mansoni, distribution and population dynamics of Biomphalaria glabrata, prevalence of infection, rhythm of presence and density of cercariae: freshwater mangrove, Guadeloupe, French Antilles

Seasonal distribution
Prestwood, A. K.; Smith, J. F.; and Brown, J., 1971, J. Wildlife Dis., v. 7 (3), 149-154
Dictyocaulus viviparus in Odocoileus virginianus (lungs), prevalence and numbers, seasonal abundance, host age and sex: Alabama; Arkansas; Florida; Georgia; Kentucky; Louisiana; Maryland; Mississippi; North Carolina; South Carolina; Texas; Virginia; and West Virginia

Seasonal distribution
Prieto, R.; Cueto, J.; and Rivera, E., 1978, Rev. Cubana Cien. Vet., v. 9 (1), 15-23
Gasterophilus spp., horses, monthly dynamics, influence of different climatic factors: Havana province, Cuba

Seasonal distribution
Pybus, M. J.; Uhazy, L. S.; and Anderson, R. C., 1978, Canad. J. Zool., v. 56 (6), 1420-1429
Truttaedacnitis stelmioides, seasonal prevalence, intensity, life cycle studies

Seasonal distribution
Pyen, C. K.; et al., 1978, Bull. Fish. Research and Development Agency (Kungnip Susan Chinghungwon yon'gu pogo) (20), 97-108
Bacciger harengulae (Cercaria pectinata) in Meretrix lusoria, infection rate, monthly variation, influence of environmental factors and parasitism on mortality of hard clams: west and south coast of Korea

Seasonal distribution
Rajagopalan, P. K.; Sreenivasan, M. A.; and Anderson, C. R., 1978, Indian J. Med. Research, v. 68, 949-953
ixodid ticks of Galloperdix s. spadicea, numbers of different stages collected, seasonal pattern of infestation: KFD area, Karnataka State

Seasonal distribution
Ranque, P.; et al., 1979, Med. Trop., v. 39 (5), 545-548
dracunculiasis, humans, distribution and incidence, seasonal variations, vectors and their habitats: Mali

Seasonal distribution
Rawlins, S. C., 1979, Bull. Entom. Research, v. 69 (1), 87-91
Boophilus microplus, seasonal variation of larval population density in four pasture locations, variations related to rainfall: Jamaica

Seasonal distribution
Rehbinder, C.; and von Szokolay, P., 1978, Nord. Vet.-Med., v. 30 (4-5), 214-216
Ostertagia leptospicularis, Spiculopteragia alcis, winter-slaughtered reindeer, lower prevalence in calves than in adults, lower number of species than in autumn, possible significance: Sweden

Seasonal distribution
Reitblat, A. G., 1970, Parazitologiia, Leningrad, v. 4 (4), 359-362
gamasid mites on [Meriones tamariscinus] and [M. meridianus] and in their nests: Tersko-Kumsk territory (North Caucasus)

Seasonal distribution
Remiannikova, T. N., 1973, Parazitologiia, Leningrad, v. 7 (3), 255-260
Leishmania tropica, [Rhombomys opimus], prevalence of infection and clinical features undergo significant seasonal and annual changes and therefore cannot be used as criteria for typification of natural nidi of cutaneous leishmaniasis: Turkmenia

Seasonal distribution
Robertson, D. A., 1979, J. Fish Dis., v. 2 (6), 481-491
Ichtyobodo necator on farmed salmonids, prevalence and intensity in relation to time, temperature, and host age; suggested that some form of host defense mechanism is operating: central Scotland

Seasonal distribution
Rogers, R. J.; Blight, G. W.; and Knott, S. G., 1978, Austral. Vet. J., v. 54 (3), 115-120
Anaplasma marginale in Bos taurus and B. indicus types, clinical outbreaks, serological survey, seasonal distribution, age, sex, and breed of host, high prevalence in Boophilus microplus infested areas: southern Queensland

Seasonal distribution
Rohde, K., 1979, Am. Naturalist, v. 114 (5), 648-671
ectoparasites of fish, particularly Monogenea, critical evaluation of intrinsic and extrinsic factors responsible for niche restriction

Seasonal distribution
Rozen, P.; Corpade, M.; and Blajovan, L., 1978, Bacteriol., Virusol., Parazitol., Epidemiol., Bucuresti, v. 23 (4), 207-212
Giardia lamblia, children, age and seasonal incidence: urban district, Bucuresti

Seasonal distribution
Rumiantsev, E. A., 1972, Parazitologiia, Leningrad, v. 6 (5), 416-418
Dactylogyrus populations on Rutilus rutilus, effect of annual changes in water temperature on time of infection peak: Kuito lakes, northern Kareliia

Seasonal distribution
Samuel, W. M.; Trainer, D. O.; and Glazener, W. C., 1971, J. Wildlife Dis., v. 7 (3), 142-146
Cephenemyia spp. on Odocoileus virginianus, prevalence and numbers, seasonal distribution, age and sex of host, habitat: Welder Refuge, San Patricio County, south Texas

Seasonal distribution
Sankurathri, C. S.; and Holmes, J. C., 1976, Canad. J. Zool., v. 54 (10), 1742-1753
parasites and commensals (Oligochaeta and larval Digenea) of Physa gyrina in control area vs. area affected by thermal effluents, prevalence, seasonal changes, interactions (including ingestion of cercariae by oligochete), ecological model: Lake Wabamun, Alberta

Seasonal distribution
Sannia, A.; and James, B. L., 1978, Ztschr. Parasitenk., v. 56 (1), 1-11
Cercaria cerastodermae I in Cerastoderma edule, variations in occurrence as related to season, size, age, distribution and species of host; double infections with other trematodes: Thames estuary

Seasonal distribution
Santiago, M. A. M.; Benevenga, S. F.; and da Costa, U. C., 1976, Pesquisa Agropec. Brasil., s. Vet., v. 11 (9), 1-7
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Ascarops strongylina, Physocephalus sexalatus, Simondsia paradoxa, pigs (stomach), seasonal incidence and intensity: slaughterhouses in western region of Uttar Pradesh

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trichostrongylid fecal egg output of lambing and non-lambing ewes in 2 sheep flocks in dry season of 1975/1976 and 1976/1977, effect of lactation vs. that of seasonal development of hypobiotic larvae, difference between the 2 dry seasons was associated with different rainfall patterns during 1975 and 1976: northern Nigeria

Seasonal distribution
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Seasonal distribution
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Seasonal distribution
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Seasonal distribution
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Echidnophaga myrmecobii, E. perilis, and E. gallinacea on Oryctolagus cuniculus, seasonal occurrence, ratio of male/female fleas, age and sex of host: Mallee region, north-west of Victoria, Australia

Seasonal distribution
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Seasonal distribution
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Spilopsyllus cuniculi, distribution and spread on different land forms at regular intervals following release, seasonal occurrence on male vs. female rabbits, development of stable host-parasite relationship over period of several years: Central District of Victoria

Seasonal distribution
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Seasonal distribution
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Seasonal distribution
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Seasonal distribution
Siddiqi, A. H.; and Nizami, W. A., 1978, Acta Parasitol. Polon., v. 25 (21-35), 223-227
Isoparorchis hypselobagri, prevalence and intensity in Wallago attu (swim bladder), no significant seasonal variation, speculations concerning life cycle: India

Seasonal distribution
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Ancylostoma caninum, prevalence in stray dogs (faeces), seasonal variation: Haryana State; Union Territory of Delhi

Seasonal distribution
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Rictularia jodhpurensis in male and female Rattus rattus of 3 different age categories, incidence, intensity, seasonal variation, parasite sex ratio, parasite length in relation to host weight and worm burden: Jodhpur, India

Seasonal distribution
Singhvi, A.; and Johnson, S., 1978, Ztschr. Ang. Zool., v. 65 (4), 449-459
nematodes, Rattus rattus, incidence and intensity of infection in relation to weight, sex, age of host, and month of year: Jodhpur

Seasonal distribution
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Seasonal distribution
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Haemonchus contortus utkalensis in goats, vulvar configurations, 17 variants identified among 3 phenotypes, seasonal occurrence in relation to temperature and humidity, order of dominance is knobbed > linguiform > smooth except in July when it is knobbed > smooth > linguiform: Ludhiana, India

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sucking lice on small rodents, infestation in relation to type of forest, host age and sex, and season: Crimean mountains

Seasonal distribution
Sosnina, E. F.; and Davydov, G. S., 1975, Parazitologiia, Leningrad, v. 9 (2), 183-189
Neohaematopinus palaearctus infestation of Marmota caudata in relation to geographic regions and vertical zones, season, host activity period (hibernation, reproduction, etc.), host age and sex, age and sex structure of louse populations: Tadzhikistan

Seasonal distribution
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Isoparorchis hypselobagri in Mystus aor and M. seenghala, intensity of infestation, seasonal variation, host size (age) and sex: river Jamuna, Allahabad, India

Seasonal distribution
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3 spp. of fish cestodes, glycogen content of parasites and host tissues, seasonal changes in glycogen content of parasites; effect of experimental exposure to various temperatures on parasite glycogen content, motor activity, and duration of life; effect of starvation on glycogen content of parasite and host in aquariums at various temperatures

Seasonal distribution
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Paragonimus kellicotti, population biology of metacercariae in crayfish (Orconectes rusticus, Orconectes sp.): prevalence and intensity in relation to host size (age) and sex, frequency distribution (negative binomial) and abundance in two different localities (in municipal park vs. in undisturbed woodlot), seasonal variation, no apparent detrimental effect of infection on host, seasonal timing of life cycle events is postulated: tributary of Alum Creek near Westerville, Franklin County, Ohio

Seasonal distribution
Suh, M. D.; et al., 1978, Research Rep., Office Rural Develop., Min. Agric. and Fish., Korea, v. 20, 47-52
Dictyocaulus viviparus, cattle, infestation rates in relation to season, fattening vs. individual farm-houses, native vs. dairy cattle, and host age: Seoul abattoir, Korea

Seasonal distribution
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trematodes, seasonal distribution, distribution in intestine of Clangula hyemalis: Baltic Coast, Gdansk Province, Poland

Seasonal distribution
Sultanov, F. R., 1974, Parazitologiia, Leningrad, v. 8 (2), 147-156
Oestrus ovis, sheep, extensity and intensity of infection, time of development, localization of different stage larvae within host, time and distance of flight of adult females: lowland, foothill, and mountain zones of Azerbaidzhan SSR

Seasonal distribution
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Seasonal distribution
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Haematobia stimulans, seasonal dynamics of attacks on Bos taurus and B. (Poephagus) grunniens, intermediate host of Setaria cervi: vicinity of Tevshruulekh, N. Khangai aimak, Khangai mountainous region, Mongolian People's Republic

Seasonal distribution
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Haemonchus contortus, Trichostrongylus, Ostertagia, sheep, periods of good transmission potential deduced on basis of bioclimatographs: various agrarian regions of Spain

Seasonal distribution
Tashkinov, N. I., 1972, Parazitologiia, Leningrad, v. 6 (4), 326-333
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Seasonal distribution
Tedla, S.; and Fernando, C. H., 1969, J. Fish. Research Bd. Canada, v. 26 (4), 833-843
parasite fauna of Perca flavescens, seasonal changes in incidence and intensity: Bay of Quinte, Lake Ontario

Seasonal distribution
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Wohlfahrtia magnifica, pupal diapause, autumn temperatures and photoperiod as factors, practical importance of stronger autumn control measures to prevent population buildup

Seasonal distribution
Tesarcik, J., 1972, Parazitologiia, Leningrad, v. 6 (2), 190-191
Neoechinorhynchus rutili, localization in intestine of carp, changes during season, anthelmintic introduced per rectum is not effective, better results with tetraphinol fed to fish at 1 mg/kg body weight

Seasonal distribution
Thomas, R. J.; and Starr, J. R., 1978, Vet. Rec., v. 103 (21), 465-468
sheep nematodes, pattern of infective larvae on pasture, correlation between time of summer peak and cumulative rainfall, possile use in forecasting onset of major infection in lambs

Seasonal distribution
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abomasal nematodes, lambs, epidemiology during winter and spring: infective pasture larval availability, parasite population changes and inhibition patterns: Northumberland

Seasonal distribution
Threlfall, W.; and Goudie, R. I., 1977, Proc. Helminth. Soc. Washington, v. 44 (2), 229-232
Microphallus pygmaeus and Cercaria parvicaudata in Littorina saxatilis, intensity and extensity of infection by sex and size of host, and month; host reproductive capacity; experimental infection in mice: Gull Island, Witless Bay and Newman's Sound, Newfoundland

Seasonal distribution
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Leishmania mexicana amazonensis in Lutzomyia flaviscutellata, incidence, seasonal density, vertical distribution: Vega de Oropouche and Aripo-Waller Field, Trinidad, West Indies

Seasonal distribution
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toxoplasmosis, pregnant women, skin test results, seasonal prevalence: Novokuznetsk

Seasonal distribution
Tongson, M. S.; et al., [1977], Philippine J. Vet. Med., v. 15 (1-2), 1976, 39-48
parasitic gastro-enteritis, epidemiological pattern in calves born during dry season vs. wet season, genera of strongyles that affect calves at certain ages and seasons of year, suggested deworming practices: ANSA Cattle and Crop Farms, Philippines

Seasonal distribution
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strongyles, calves raised under type II and type III climatic zones, monthly mean ova counts: Philippines

Seasonal distribution
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gastrointestinal nematodes, calves, monthly mean egg counts, climatic factors and acquired immunity as factors: BAI Alabang Stock Farm, province of Rizal

Seasonal distribution
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Seasonal distribution
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longevity of strongyle larvae in cattle dung pats on pasture, larvae persisted longer in pats deposited during dry vs. rainy season

Seasonal distribution
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Philometroides huronensis in Catostomus commersoni, prevalence and intensity of all stages, host age, season, annual life cycle

Seasonal distribution
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Ixodes persulcatus, Haemaphysalis concinna, Dermacentor silvarum, analysis of regions of high population density near northern and high altitude limits, seasonal variations in abundance and sex ratios: Amur oblast

Seasonal distribution
Uspenskii, I. V.; and Repkina, L. V., 1974, Parazitologiia, Leningrad, v. 8 (1), 3-11
Ixodes persulcatus, physiological age and age structure of natural populations over a season, changes in mean physiological age under influence of DDT solution or of the solvent (methyl-ethyl ketone), comparisons of changes in physiological age and susceptibility to DDT

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Seasonal distribution
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Aphalloides coelomicola in Pomatoschistus microps (coelom), incidence and intensity from July to October: Dievengat, Belgium

Seasonal distribution
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Seasonal distribution
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Neoechinorhynchus rutili in Coregonus nasus, seasonal prevalence, intensity of infection, distribution in host intestine, correlation between ostracods in diet and occurrence of N. rutili: north-east of Bay of Bothnia, between parish of Haukipudas and island of Hailuoto

Seasonal distribution
Vansulin, S. A.; and Malakhov, I. V., 1976, Med. Parazitol. i Parazitar. Bolezni, v. 45 (1), 94-95
Ixodes persulcatus, density, encephalitis virus infection rate, seasonal distribution: Gulf of Finland coast from Leningrad to Roshchino (resort area for Leningrad residents)

Seasonal distribution
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gastrointestinal nematodes, domestic pigs, seasonal variation: Hissar

Seasonal distribution
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Paradoxopsyllus scorodumovi parasitizing Ochotona pricei in plague focus, ecology: seasonal distribution, abundance on animals, in nests, and in burrow entrances, age and sex composition of populations, high alimentary activity: Gorno-Altai

Seasonal distribution
Viljoen, S., 1977, Zool. Afric., v. 12 (2), 498-500
ectoparasites, Paraxerus cepapi cepapi: Transvaal

Seasonal distribution
Volianskii, Iu. E., 1972, Parazitologiia, Leningrad, v. 6 (1), 54-56
fleas in nests of Microtus arvalis, seasonal changes in number and fauna in 2 different habitats: environs of Odessa

Seasonal distribution
Volianskii, Iu. E., 1974, Parazitologiia, Leningrad, v. 8 (1), 12-14
gamasid mites in nests of Microtus arvalis, seasonal changes in abundance, females were dominant in collections: vicinity of Odessa, south-eastern Ukraine

Seasonal distribution
Vorhees, J. T.; and Schwartz, F. J., 1979, Tr. Am. Fish. Soc., v. 108 (2), 191-196
Lernaeenicus radiatus on Brevoortia tyrannus and Micropogon undulatus, attachment site, seasonality, abundance, and incidence in relation to water temperature and salinity variations: Cape Fear River, North Carolina

Seasonal distribution
Waller, P. J.; and Thomas, R. J., 1978, Internat. J. Parasitol., v. 8 (4), 275-283
Ostertagia spp., epidemiology in natural parasite populations in sheep raised under intensive conditions, climatic conditions, egg counts and pasture larval availability, seasonal worm burdens, inhibition of larval development: north-east England

Seasonal distribution
Waller, P. J.; and Thomas, R. J., 1978, Internat. J. Parasitol., v. 8 (5), 365-370
Ostertagia circumcincta in tracer lambs (susceptible) vs. continuously grazed lambs (potentially resistant) over course of seasonal exposure to natural infection, worm burdens, % larval inhibition, parasite sex ratio, vulval flap pattern, worm size, results indicate importance of host-induced effects on morphological development

Seasonal distribution
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fleas of small mammals, prevalence, intensity, monthly fluctuations, sex ratios, potential public health importance as vectors of human plague: Rangoon, Burma

Seasonal distribution
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Stephanurus dentatus, pigs, seasonal infestation of soil, viability of larvae in different soil types, tetramisole sulfamidine, other control measures: Fukien

Seasonal distribution
Ward, J. K.; Ferguson, D. L.; and Parkhurst, A. M., 1979, J. Animal Sc., v. 49 (2), 306-309
gastrointestinal parasites, beef cows (feces), level of infection, effect of animal age and season of year: Mead, Nebraska

Seasonal distribution
Wierzbicka, J., 1977, Acta Parasitol. Polon., v. 25 (1-10), 1-16
survey of trematodes of 3 species of fish with some data on seasonal dynamics of infestation: Dabie lake, Poland

Seasonal distribution
Wilkins, H. A.; and Scott, A., 1978, Tr. Roy. Soc. Trop. Med. and Hyg., v. 72 (4), 397-404
Schistosoma haematobium, children, 4-year study of egg counts, variations with age and with season, significant degree of stability of individual counts relative to those of group as whole, immunity as possible regulating factor: The Gambia

Seasonal distribution
Williams, D. D., 1979, Iowa State J. Research, v. 53 (4), 305-310
Isoglaridacris wisconsinensis in Hypentelium nigricans, seasonal incidence, parasite maturation: Red Cedar River (southern Barron Co.), Wisconsin

Seasonal distribution
Williams, D. D., 1979, Iowa State J. Research, v. 53 (4), 311-316
Glaridacris laruei and G. catostomi in Catostomus commersoni, seasonal incidence, parasite maturation: Red Cedar River (Barron County), Wisconsin

Seasonal distribution
Williamson, W. A.; and Gilles, H. M., 1978, Ann. Trop. Med. and Parasitol., v. 72 (4), 323-328
malariometric study of young children (seasonal distribution, age-specific parasite prevalence, splenic indices): Malumfashi, Northern Nigeria

Seasonal distribution
Wood, S. F.; and Wood, F. D., 1978, Bull. South. Calif. Acad. Sc., v. 77 (3), 130-132
Trypanosoma cruzi in Triatoma protracta protracta, seasonal infection rates: Thousand Oaks, Ventura County, California

Seasonal distribution
Woodward [i.e. Woodard], D. B., 1978, Mosquito News, v. 38 (1), 80-83
Diximermis peterseni, laboratory reared, successfully established in field populations of Anopheles, continuous introduction of nematode not required to maintain infections, seasonal variation of parasite activity: southwest Louisiana

Seasonal distribution
Wu, B.; et al., 1979, Tung Wu Hsueh Pao (Acta Zool. Sinica), v. 25 (1), 50-57
Myxobolus drjagini in Hypophthalmichthys molitrix, seasonal fluctuations with regard to occurrence and development of parasites, recommended prophylactic measures and treatment: hatchery ponds, Hangzhou region of Jiang Province

Seasonal distribution
Wyatt, E. J., 1978, J. Fish Dis., v. 1 (3), 233-240
Myxobolus insidiosus in Oncorhynchus tshawytscha, epizootiology, factors affecting prevalence of infection in naturally contaminated waters, no infection could be induced in susceptible fish in disease free water supply: Oregon

Seasonal distribution
Zolotov, P. E.; et al., 1974, Parazitologiia, Leningrad, v. 8 (2), 116-122
Ixodes persulcatus, I. ricinus, ecology, seasonal activity: Leningrad oblast

Seasonal distribution
Zolotova, S. I.; Maslennikova, Z. P.; and Afanas'eva, O. V., 1978, Zool. Zhurnal, v. 57 (11), 1663-1667
Xenopsylla, numbers of generations in northern desert subzone, overlapping of generations, overwintering: Bakanassk GMS

Seasonal distribution
Zuevskii, A. P., 1970, Parazitologiia, Leningrad, v. 4 (4), 352-358
gamasid mites in nest of Arvicola terrestris, seasonal changes: Tiumensk oblast

Self-cure. See Immunity.

Self-infection. See Disease transmission, Autoinfection.

Senegal
Vassiliades, G., 1978, Rev. Elevage et Med. Vet. Pays Trop., n. s., v. 31 (2), 157-163
coccidia and helminths of cattle, economic importance: Senegal
(Toxocara vitulorum; Strongyloides papillosus; Oesophagostomum radiatum; Bunostomum phlebotomum; Trichostrongylus colubriformis; T. axei; Cooperia punctata; C. pectinata; Haemonchus placei; H. contortus; Nematodirus spathiger; Thelazia rhodesi; T. balayi; Onchocerca ochengi; O. armillata; O. gutturosa; Elaeophora poeli; Setaria labiatopapillosa; Trichuris globulosa; Moniezia expansa; M. benedeni; Stilesia globipunctata; Avitellina centripunctata; Thysaniezia ovilla; Cysticercus bovis; Echinococcus polymorphus; E. granulosus; Dicrocoelium hospes; Fasciola gigantica; Schistosoma bovis; S. curassoni; Paramphistomum microbothrium; P. liorchis; Cotylophoron cotylophorum; C. fulleborni; C. jacksoni; C. calicophorum; Carmyerius spatiosus; Eimeria zuernii; E. bovis; E. ellipsoidalis; E. auburnensis; E. subspherica; E. cylindrica; E. brasiliensis; E. alabamensis; E. wyomingensis)

Serial passage. See Passage.

Serum proteins. See Proteins.

Sewage
Bratanov, V.; Penchev, P.; and Dinev, P., 1977, Vet. Med. Nauki, v. 14 (2), 45-49
helminths in sewage, decontamination by electrocoagulation and electroflotation after preliminary treatment with calcium hydroxide: livestock farms, Bulgaria

Sewage
Bunnag, T.; de Freitas, J. R.; and Scott, H. G., 1978, Southeast Asian J. Trop. Med. and Pub. Health, v. 9 (1), 41-47
Schistosoma mansoni, sewage stabilization ponds efficient barrier against transmission, laboratory and field experiments, egg hatchability, miracidia infectivity, and survival of Biomphalaria glabrata

Sewage
Burden, D. J.; and Ginnivan, M. J., 1978, Vet. Rec., v. 103 (17), 373-375
thermophilic pig slurry recycling process rapidly killed free living stages of Trichuris suis, Ascaris suum, and Oesophagostomum spp.

Sewage
Chevranova, Iu. A.; Bukhtoiarov, A. I.; and Iastrebov, E. E., 1978, Gig. i Sanitariia (4), 100-102
Ascaris suum, A. lumbricoides, use of ammonia to destroy ascarid eggs in sewage sludge

Sewage
Fitzgerald, P. R.; and Prakasam, T. B. S., 1978, J. Parasitol., v. 64 (3), 445-447
Trichinella spiralis larvae in muscle tissue were able to survive anaerobic digestion in sewage sludge

Sewage
Forstner, M. J., 1973, Tieraerztl. Prax., v. 1 (1), 119-126
parasitic problems associated with disposal of sewage, sludge, and wastes of domestic animals, suggested control measures: West Germany

Sewage
Forstner, M. J., 1977, Berl. u. Munchen. Tierarztl. Wchnschr., v. 90 (2), 37-42
transmission of parasitic diseases of livestock by stable manure, waste water, and sludges, preventive measures, review

Sewage
Hammerberg, B.; MacInnis, G. A.; and Hyler, T., 1978, J. Am. Vet. Med. Ass., v. 173 (11), 1462-1464
Taenia saginata cysticerci, grazing steers exposed to nonheat-treated city sewage sludge; multiple incisions of heart during meat inspection needed to increase efficiency of detection: southern Virginia

Sewage
Khizhniak, N. I., 1977, Gig. i Sanitariia (12), 76-78
ascarid eggs from swine used in test of extent of spreading of helminth eggs by sewage used for pasture irrigation, various sprinkler apparatuses

Sewage
Macpherson, R.; Mitchell, G. B. B.; and McCance, C. B., 1978, Vet. Rec., v. 102 (7), 156-157 [Letter]
Cysticercus bovis, slaughterhouse inspection, high prevalence in bovine carcasses originating from pasture treated with human slurry from local sewage works: Glasgow

Sewage
Meyer, K. B.; Miller, K. D.; and Kaneshiro, E. S., 1978, J. Parasitol., v. 64 (2), 380-383
Ascaris, isolation of eggs from sewage sludge material, modified zinc sulfate concentration method provides rapid and efficient technique

Sewage
Pennisi, L.; Mento, G.; and Faraone, U., 1976, Riv. Parassitol., Roma, v. 37 (1), 105-111
Entamoeba, isolation of 5 strains from sewage of Messina, characterization by thermo-resistance and behavior in hypotonic solutions, comparison with known Entamoeba strains

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Sagua, H.; et al., 1978, Bol. Chileno Parasitol., v. 33 (1-2), 8-12
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Sex and parasitism. [See also Reproduction]

Sex and parasitism
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Sex of parasite
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Hippobosca longipennis, biology in Egypt, laboratory observations: adult emergence, feeding mechanism, frequency and amount of blood meal, tolerance to starvation, sexual maturity, mating behavior, sex ratio, intrauterine larval development, larviposition and description of 3rd larval stage, adult longevity and fecundity, description of pupa, pupal duration (effect of temperature, relative humidity, and host)

Sex of parasite
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Octomacrum spinum and Unicauda sp. in Campostoma anomalum (gills), prevalence and parasite load, sex of parasite, seasonal occurrence: Fourpole Creek, Cabell Co., West Virginia

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Skrjabingylus nasicola in Mustela nivalis (nasal sinuses), correlation of intensity of infestation with severity of skull damage and with host age and sex, host factors influencing worm size and sex ratios, crowding effect in heavy infestations: Berkshire, Northumberland, and Sussex

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Enteroxenos oestergreni in Stichopus tremulus and E. parastichopoli in Parastichopus californicus, detailed life history, frequency, infection sites, reproduction, metamorphosis of male larvae completed by implantation in female's central cavity, biology and anatomy of male E. oestergreni; biology compared with other species of Entoconchidae; effect of E. oestergreni on host

Sex of parasite
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Sex of parasite
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Sex of parasite
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Raillietia auris, cattle (ears), incidence, intensity, numbers of different stages and of males vs. females: Sao Paulo State, Brazil

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Octomyomermis muspratti, effects of male/female ratios on mating and egg production, application of these findings may help obtain maximum laboratory production of this potential biocontrol agent of mosquitoes

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Sex of parasite
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Sex of parasite
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Sex of parasite
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Sex of parasite
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Sex of parasite
  Shepherd, R. C. H.; and Edmonds, J. W., 1978, Austral. J. Ecol., v. 3 (3), 287-295
    Echidnophaga myrmecobii, E. perilis, and E. gallinacea on Oryctolagus cuniculus, seasonal occurrence, ratio of male/female fleas, age and sex of host: Mallee region, north-west of Victoria, Australia

Sex of parasite
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    Echidnophaga myrmecobii and E. perilis on Oryctolagus cuniculus, distribution on host, seasonal patterns of increase and decrease, sex of parasite, age and sex of host: Pine Plains, Mallee region of Victoria

Sex of parasite
  Siddiqi, M. N.; and Meerovitch, E., 1977, Pakistan J. Zool., v. 9 (1), 51-57
    Trichinella spiralis, 3 newly isolated strains compared with classical strain during intestinal phase of infection in rats (moulting pattern, % recovery of adult worms, their size and sex ratio), significantly smaller size of worms in 3 new strains, inhibition of development expressed by host resistance as one of several possible causes

Sex of parasite
  Singhvi, A.; and Johnson, S., 1978, Zool. Anz., Jena, v. 200 (5-6), 417-425
    Rictularia jodhpurensis in male and female Rattus rattus of 3 different age categories, incidence, intensity, seasonal variation, parasite sex ratio, parasite length in relation to host weight and worm burden: Jodhpur, India

Sex of parasite
  Sosnina, E. F.; and Davydov, G. S., 1975, Parazitologiia, Leningrad, v. 9 (2), 183-189
    Neohaematopinus palaearctus infestation of Marmota caudata in relation to geographic regions and vertical zones, season, host activity period (hibernation, reproduction, etc.), host age and sex, age and sex structure of louse populations: Tadzhikistan

Sex of parasite
  Torres, P.; and Barriga, O. O., 1975, Acta Parasitol. Polon., v. 23 (26-40), 441-451
    Ascaris suum, A. lumbricoides, Toxocara mystax, A. galli, adult specimens, common and species-specific antigens, antigenic composition of different sexes within each species

Sex of parasite
  Uakhowithchai, V.; Techasoponmani, R.; and Sirisinha, S., 1977, Southeast Asian J. Trop. Med. and Pub. Health, v. 8 (4), 486-493
    Angiostrongylus cantonensis, rats, immunization with excretory/secretory antigens of male vs. female worms, effect on subsequent infection by infective 3rd stage larvae

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    Ixodes persulcatus, Haemaphysalis concinna, Dermacentor silvarum, analysis of regions of high population density near northern and high altitude limits, seasonal variations in abundance and sex ratios: Amur oblast

Sex of parasite
  Vasil'ev, G. I.; Elistratova, N. P.; and Lazareva, L. A., 1979, Ekologiia, Sverdlovsk (1), 97-99
    Paradoxopsyllus scorodumovi parasitizing Ochotona pricei in plague focus, ecology: seasonal distribution, abundance on animals, in nests, and in burrow entrances, age and sex composition of populations, high alimentary activity: Gorno-Altai

Sex of parasite
  Voge, M.; Price, Z.; and Bruckner, D. A., 1978, J. Parasitol., v. 64 (5), 944-947
    Schistosoma mekongi, changes in tegumental surface of male and female worms during development in mice

Sex of parasite
  Volianskii, Iu. E., 1974, Parazitologiia, Leningrad, v. 8 (1), 12-14
    gamasid mites in nests of Microtus arvalis, seasonal changes in abundance, females were dominant in collections: vicinity of Odessa, south-eastern Ukraine

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  Waller, P. J.; and Thomas, R. J., 1978, Internat. J. Parasitol., v. 8 (5), 365-370
    Ostertagia circumcincta in tracer lambs (susceptible) vs. continuously grazed lambs (potentially resistant) over course of seasonal exposure to natural infection, worm burdens, % larval inhibition, parasite sex ratio, vulval flap pattern, worm size, results indicate importance of host-induced effects on morphological development

Sex of parasite
  Walton, D. W.; and U Maung Maung Tun, 1978, Southeast Asian J. Trop. Med. and Pub. Health, v. 9 (3), 369-377
    fleas of small mammals, prevalence, intensity, monthly fluctuations, sex ratios, potential public health importance as vectors of human plague: Rangoon, Burma

Sex of parasite
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    Rhipicephalus spp., spermatogenesis, chromosomes, sex determination: East Africa

Sex of parasite
  Wysoki, M.; and Bolland, H. R., 1979, Genetica, v. 50 (1), 73-77
    Amblyomma variegatum, A. lepidum, course and timing of spermatogenesis, sex determination, and chromosome numbers

Sierra Leone
  Kamara, J. A., 1975, Bull. Animal Health and Prod. Africa, v. 23 (3), 265-268
    wild animal host-parasite list

Silage
  Farquhar, A. S.; Anthony, W. B.; and Ernst, J. V., 1979, J. Animal Sc., v. 49 (5), 1331-1336
    Eimeria bovis oocysts in manure-blended diet, adequate ensiling prevents sporulation

Silage
Tarczynski, S.; and Szepelski, L., 1970, Acta Parasitol. Polon., v. 18 (42-50), 513-519
Fasciola hepatica metacercariae, longevity and infectivity in hay, effect of different methods of hay drying used in Poland, concluded that hay may contain infective metacercariae in spite of adequate drying methods, only proper ensilage of green roughage makes it safe from infective forms of liver fluke

Simultaneous infections. See Mixed infections.

Singapore
Kan, S. P.; and Cheah, J. S., 1970, Singapore Med. J., v. 11 (4), 283-286
helminthic infections, intestinal protozoa, prevalence and intensity among ethnic groups: Singapore
(Ascaris lumbricoides; Trichuris trichiura; hookworm; Strongyloides stercoralis; Enterobius vermicularis; Clonorchis sinensis; Hymenolepis nana; Giardia lamblia; Entamoeba histolytica; E. coli)

Site selection. See Localization.

Skeleton. See Bones; Musculoskeletal system.

Skin. [See also Dermatitis]

Skin
Abdus Sattar, A. B. M., 1979, J. Trop. Med. and Hyg., v. 82 (9-10), 201-202
Entamoeba histolytica, 35 year-old male, case report, cutaneous amoebic ulcer on right leg: Bangladesh

Skin
Ahumada Padilla, M.; and Montes de Oca M., F., 1975, Rev. Med., Mexico, v. 14 (3), 232-236
human cutaneous and mucocutaneous amoebiasis, differential diagnosis, pathology, therapy, case reports: Mexico

Skin
Beaver, P. C.; et al., 1978, Am. J. Trop. Med. and Hyg., v. 27 (6), 1133-1136
Entamoeba histolytica, 4-month-old girl, infection of skin of eyelid with extension into orbit, case report: Colombia

Skin
Bittencourt, A. L., 1975, Rev. Inst. Med. Trop. S. Paulo, v. 17 (3), 135-139
Trypanosoma cruzi, human congenital infections, histopathology of skin infections

Skin
Bittencourt, A. L.; et al., 1979, Am. J. Trop. Med. and Hyg., v. 28 (1), 84-86
Schistosoma mansoni, humans, extragenital cutaneous lesions caused by eggs, 2 case reports

Skin
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onchocerciasis, humans with low intensity of infections, skin pathology including depigmentation: Belgian Congo

Skin
Deore, P. A.; Sabnis, M. G.; and Bendre, V. U., 1979, Indian Vet. J., v. 56 (9), 794-795
Theileria annulata, bovine, atypical cutaneous case

Skin
Elbihari, S.; and Hussein, H. S., 1978, Rev. Elevage et Med. Vet. Pays Trop., n. s., v. 31 (2), 179-182
Onchocerca gutturosa, skin distribution of microfilariae in Sudanese cattle, prevalence according to host age: Khartoum, Sudan

Skin
Grove, S. S., 1978, South African Med. J., v. 53 (18), 712-715
leishmaniasis, clinical and histological features of South West African form

Skin
Gullet, J.; et al., 1979, Am. J. Med., v. 67 (5), 891-896
Acanthamoeba astronyxis, Mexican woman, fatal case of disseminated granulomatous infection with skin lesion and focal encephalitis: San Francisco

Skin
Nelson, W. A.; Bell, J. F.; and Stewart, S. J., 1979, Exper. Parasitol., v. 48 (2), 259-264
Polyplax serrata, histopathology of skin in mice that do (CFW strain) and do not (C57BL strain) develop resistance

Skin
Ramos, S. F., 1973, South African Med. J., v. 47 (44), 2103-2108
late cutaneous bilharziasis, human, definition, macroscopic and microscopic aspects, diagnosis, pathology, frequent localization in genital and perigenital areas: Mozambique

Skin
Rutherfoord, G. S.; and Uys, C. J., 1978, South African Med. J., v. 53 (18), 716-718
cutaneous leishmaniasis, 54-year-old woman, microscopical findings, ultrastructure of lesion presented to facilitate diagnosis in South West Africa

Skin
Uilenberg, G.; and Zwart, D., 1979, Research Vet. Sc., v. 26 (2), 243-245
Theileria parva, calves (exper.) with advanced East Coast fever, occurrence of skin nodules with schizonts and/or skin nodules with Demodex bovis

Skin
Vargas, D. L., 1974, Salud Pub. Mexico, v. 16 (5), 751-754
Onchocerca volvulus, human, coast erysipelas (Guatemala) or 'purple illness' (Mexico) refers to cutaneous pathology of Arthus type reaction, treatment

Skin tests. See Immunity, Skin tests.

Slide preparation. See Technique, Specimen preparation and preservation.

Sludge. See Sewage.

Snail control. [See also Molluscicides in Treatment Catalogue; Vectors, Mollusca]

Snail control
Amin, A. H.; and Fenwick, A., 1978, Trop. Doctor, v. 8 (1), 8-12
schistosomiasis vector snail control, recommendations for use on small scale or by poor developing countries

Snail control
Amin, M. A., 1972, Sudan Med. J., v. 10 (2), 75-82
Biomphalaria and Bulinus vector snails, evaluation of drip-feed application of copper sulphate as molluscicide and of use of mechanical barriers for mollusk control: Gezira, Sudan

Snail control
Ayad, N., 1976, Egypt. J. Bilharz., v. 3 (2), 129-155
vector control programs (molluscicides, biological and physical control) being carried out in Egypt in an attempt to achieve permanent results in control of human schistosomiasis

Snail control
Christie, J. D.; et al., 1978, Am. J. Trop. Med. and Hyg., v. 27 (3), 616-622
slow-release copper molluscicide tested against Biomphalaria glabrata, laboratory and field trials: St. Lucia

Snail control
Chu, K. Y., 1978, Bull. World Health Organ., v. 56 (2), 313-322
Schistosoma haematobium, snail control trials by modification of habitat and application of niclosamide: Volta Lake village, Ghana

Snail control
Contreras B., J. A., 1976, Vet. Med. Rev. (2), 190-195
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Snail control
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Sonication. See Sound.

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Specificity, Host
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Hymenolepis sulcata from Glis glis, redescription, comparison with H. myoxi, host specificity of both: nord du Jura (Ajoie)

Specificity, Host
Galun, R.; Sternberg, S.; and Mango, C., 1978, Bull. Entom. Research, v. 68 (1), 153-157
Argas persicus, Ornithodoros tholozani, O. moubata, effects of several laboratory animals on tick feeding behaviour and reproduction

Specificity, Host
Grant, D.; and Woo, P. T. K., 1978, Canad. J. Zool., v. 56 (6), 1360-1366
Giardia spp. in small mammals, comparative studies, results suggest host specificity of some spp., infectivity of stored cysts varies with temperature, lack of prophylactic effect in rats treated with metronidazole or quinacrine hydrochloride

Specificity, Host
Graves, G. N.; et al., 1974, J. Med. Entom., v. 11 (4), 488-498
fleas of small mammals, abundance, seasonal occurrence, and host preference: Chaves County, New Mexico

Specificity, Host
Halvorsen, O., 1969, Norwegian J. Zool., v. 17 (1), 93-103
Diplozoon paradoxum on roach, bream, hybrids of roach and bream, and white bream, morphological adaptability, host specificity: river Glomma, Norway

Specificity, Host
Holmes, J. C., 1979, Host-Parasite Interfaces, 27-46
biohelminth parasite populations and host community structure, theoretical review

Specificity, Host
Issi, I. V., 1971, Parazitologiia, Leningrad, v. 5 (4), 297-301
Plistophora schubergi, subspecies are morphologically identical but characterized by a certain degree of host specificity and possibly by divergence of biochemical and physiological characters, implications for possible methods of speciation among the Microsporidia

Specificity, Host
Iziumova, N. A., 1970, Parazitologiia, Leningrad, v. 4 (5), 466-472
Dactylogyrus spp., larvae transferred to unusual hosts attached only occasionally and then failed to attain sexual maturity, adults transferred to gills lived there and produced eggs

Specificity, Host
Jablonska, J., 1970, Acta Parasitol. Polon., v. 18 (42-50), 521-550
Analgesoidea mites on turdid birds, occurrence during host spring and autumn migrations, incidence, intensity, distribution on wings, population structure (sex ratios, developmental stages), host specificity, simultaneous infections: Poland

Specificity, Host
Jackson, J. A.; and Nickol, B. B., 1979, J. Parasitol., v. 65 (1), 167-169
Mediorhynchus centurorum, host specificity for Melanerpes carolinus is thought to result from differences in nesting sites, nest sanitation, foraging behavior, and food items among woodpeckers: Louisiana

Specificity, Host
Jilek, R., 1978, J. Parasitol., v. 64 (5), 951-952
Gracilisentis gracilisentis and Tanaorhamphus longirostris in Dorosoma cepedianum (pyloric ceca and duodenum), definite seasonal periodicity, highly host specific, prevalence and intensity in male and female hosts of different age/size classes: Crab Orchard Lake, Williamson County, Illinois

Specificity, Host
Jogis, V. A., 1970, Parazitologiia, Leningrad, v. 4 (6), 563-568
Porrocaecum ensicaudatum, failure to mature in attempted experimental infections of several species of birds of different orders and families, apparently reaches sexual maturity only in Turdidae and Sturnidae

Specificity, Host
Jogis, V. A., 1972, Parazitologiia, Leningrad, v. 6 (6), 546-548
Porrocaecum ensicaudatum, intermediate host specificity, limited to oligochaetes of order Lumbricomorpha

Specificity, Host
Kennedy, C. R., 1978, J. Fish Biol., v. 12 (5), 393-410
Eubothrium spp., fishes, specificity, distribution, and habitat, life cycle, use as biological tags, review

Specificity, Host
King, C. M., 1976, J. Zool., London, v. 180 (4), 525-535
fleas of Mustela nivalis, seasonal distribution, host specificity, origin of fleas on host: Wytham Woods, near Oxford

Specificity, Host
Kotrla, B.; Kotrly, A.; and Kozdon, O., 1976, Acta Vet. Brno, v. 45 (1-2), 123-126
Ashworthius sidemi, specificity, lambs (exper.), infected with parasites from Sika nippon, normal host

Specificity, Host
Krylov, M. V.; and Krylova, N. P., 1972, Parazitologiia, Leningrad, v. 6 (6), 493-505
Piroplasmida, analysis of host specificity

Specificity, Host
Kuperman, B. I., 1973, Lentochyne chervi roda Triaenophorus--parazity ryb. Eksperimental'naia sistematika, ekologiia [Tapeworms of the genus Triaenophorus--parasites of fish. Experimental systematics, ecology] 207 pp.
Triaenophorus, monographic review of morphology, life cycle, development, geographic distribution, interrelation with host and pathogenic role, host specificity, evolution, species formation; key to species, host list, synonymy, includes: T. nodulosus (Pallas, 1781); T. amurensis Kuperman, 1968; T. stizostedionis Miller, 1945; T. crassus Forel, 1868; T. meridionalis Kuperman, 1968; T. orientalis Kuperman, 1968

Specificity, Host
van der Lande, V. M., 1976, J. Zool., London, v. 180 (4), 537-563
Marsupiobdella africana, morphology, life history, localization, host specificity (Xenopus toads)

Specificity, Host
Letch, C. A., 1979, Parasitology, v. 79 (1), 107-117
Trypanosoma cobitis should be regarded as single species of trypanosome from 6 spp. of British fish on basis of morphology, isoenzyme patterns, and cross-transmission (by syringe passage of culture forms and by leech vector Hemiclepsis marginata), specific names T. phoxini, T. elegans, T. barbatulae, T. occidentalis, and T. langeroni "should be disregarded"

Specificity, Host
Lewis, R. E., 1974, J. Med. Entom., v. 11 (4), 403-413
Coptopsyllidae, Pygiopsyllidae, Stephanocircidae, Xiphiopsyllidae, world-wide distribution by zoogeographic regions, host preferences; list of genera and species

Specificity, Host
Lewis, R. E.; Siler, J. R.; and Olmsted, L. L., 1977, Proc. 31. Ann. Conf. Southeast. Ass. Fish and Wildlife Agencies, 372-379
Epistylis [sp.], fishes, host specificity, intensity of infestation, attachment site, factors affecting prevalence (host length, water quality, season): North Carolina

Specificity, Host
Llewellyn, J. B., 1978, Great Basin Nat., v. 38 (1), 51-54
Cuterebra sp., differential parasitism of sympatric Peromyscus maniculatus and P. truei may be due to host specificity, differential parasitism of P. maniculatus may be due to habitat selection: Nevada

Specificity, Host
Lomakin, V. V., 1974, Trudy Gel'mint. Lab., Akad. Nauk SSSR, v. 24, 86-96
nematodes of fishes, ecological-faunistic analysis, families and feeding habits of fishes, host specificity, review: Caspian Sea

Specificity, Host
Long, P. L.; and Millard, B. J., 1979, Parasitology, v. 78 (1), 41-51
Eimeria dispersa, isolation from turkeys in Britain, life cycle and reproduction, cross-protection against American strain, electrophoretic analysis of enzymes, host specificity studies, in vitro growth studies, gross pathology, pathogenicity, immunogenicity

Specificity, Host
Long, P. L.; and Millard, B. J., 1979, Parasitology, v. 78 (2), 239-247
Eimeria maxima, rejection by 'foreign' host (Numida meleagris); E. tenella, E. grenieri, survival of sporozoites in peritoneal macrophages from 'foreign' vs. normal hosts in vitro

Specificity, Host
Markus, M. B., 1978, Advances Vet. Sc. and Comp. Med., v. 22, 159-193
Sarcocystis and sarcocystosis in domestic animals and man, extensive review (life cycle; host specificity; pathogenicity and pathology; immunology and serology)

Specificity, Host
Martens, J. M., 1974, Mitt. Hamburg. Zool. Mus. u. Inst., v. 70, 119-163
taxa of Saemundssonia occuring on Scolopacinae and Eroliinae classified in 4 polytypic species; host-parasite relationships, distribution patterns, geographical and ecological factors

Specificity, Host
Norval, R. A. I., 1975, Proc. 1. Cong. Entom. Soc. South. Africa, 195-201
host-tick interactions reviewed: tick feeding mechanism and innate and acquired host resistance; host specificity

Specificity, Host
Palmieri, J. R., 1976, Great Basin Nat., v. 36 (3), 334-346
Posthodiplostomum minimum, development in variety of vertebrate hosts

Specificity, Host
Palmieri, J. R., 1977, Great Basin Nat., v. 37 (2), 129-137
Posthodiplostomum minimum, centrarchid strain in various ecologically abnormal experimental hosts, host-induced variations of body measurements and tegument

Specificity, Host
Palmieri, J. R., [1978], Great Basin Nat., v. 37 (4), 1977, 481-488
Posthodiplostomum minimum, host induced morphological variations (testes number, size, and shape; ovary measurements and position; vitelline gland distribution; egg size); due to lack of host specificity as well as overlap of egg and body sizes of species of Posthodiplostomum, it is apparent that several reported species are not valid

Specificity, Host
Petersen, J. J.; and Chapman, H. C., 1970, Mosquito News, v. 30 (3), 420-424
Gastromermis sp. in anopheline larvae, parasite sex ratio, life cycle, value as possible biological control agent: southwestern Louisiana

Specificity, Host
Price, C. E.; and Henderson, A., [1971], An. Inst. Biol., Univ. Nac. Mexico, v. 40 (2), s. Zool., 1969, 195-203
Dactylogyrus, diagnosis, anatomy, high degree of specificity for cyprinid fishes

Specificity, Host
Prokopic, J.; and Krivanec, K., 1975, Acta Scient. Nat. Brno, n. s., v. 9 (3), 48 pp.
helminths of amphibians, incidence, host affinities: Czechoslovakia

Specificity, Host
Rohde, K., 1978, Marine Biol., v. 47 (2), 125-134
marine Monogenea and Digenea, latitudinal differences in host specificity, digenetic host specificity increases from cold to warm seas but no such gradient exists in Monogenea, differences explained in terms of reproductive strategies

Specificity, Host
Rohde, K., 1979, Am. Naturalist, v. 114 (5), 648-671
ectoparasites of fish, particularly Monogenea, critical evaluation of intrinsic and extrinsic factors responsible for niche restriction

Specificity, Host
Stranock, S. D., 1979, Irish Naturalists' J., v. 19 (9), 311-315
Diplozoon paradoxum, incidence in upstream fish, absence downstream; failure to exper. cross-infect Phoxinus phoxinus and Noemacheilus barbatulus, D. paradoxum from various cyprinids may represent different host-specific species or sub-species: Fairywater, Co. Tyrone, Northern Ireland

Specificity, Host
Theodorides, J., 1979, Compt. Rend. Acad. Sc., Paris, v. 289, s. D, Sc. Nat. (3), 363-365
intestinal eugregarines of Brachyura, distribution among hosts confirms validity of new classification system for hosts

Specificity, Host
Theron, A., 1975, Vie et Milieu, s. C, Biol Terr., v. 25 (1), 181-185
Parabascus lepidotus, a common parasite of Chiroptera, found in Apodemus sylvaticus in France, "doit etre considere comme un parasite transfuge"

Specificity, Host
Williams, H. H., 1969, Norwegian J. Zool., v. 17 (1), 1-56
Acanthobothrium, taxonomy, host-specificity, ecology, biology, host-parasite list

Specificity, Host
Williams, H. H.; McVicar, A. H.; and Ralph, R., 1970, Symposia Brit. Soc. Parasitol., v. 8, 43-77
fish helminths, host specificity, body shape and orientation within host gut, habitat specificity and migrations within gut, host alimentary canal physiology

Sperm. See Gametes.

Spermatogenesis. See Gametogenesis.

Spinal cord. See Nervous system.

Spleen
Alfano, C.; and Amabile, G., 1973, Rassegna Internaz. Clin. e Terap., Napoli, v. 53 (15), 908-922
human splenic echinococcosis, case reports, clinical aspects, surgical management

Spleen
Ali-Khan, Z., 1978, Ztschr. Parasitenk., v. 58 (1), 47-54
Echinococcus granulosus, mice, pathological changes in thymus-dependent areas of spleen and lymph nodes

Spleen
Baruzzi, R. G.; et al., 1976, Rev. Inst. Med. Trop. S. Paulo, v. 18 (5), 322-348
P[lasmodium] spp., association with tropical splenomegaly syndrome in Indians from Alto Xingu region, Central Brazil

Spleen
Callow, L. L.; Mellors, L. T.; and McGregor, W., 1979, Internat., J. Parasitol., v. 9 (4), 333-338
Babesia bovis, reduction in virulence due to rapid passage in splenectomized cattle, change reversed by passaging in intact hosts

Spleen
Coelho, L. C. B. B.; and Gillett, M. P. T., 1979, Biochem. Soc. Tr., v. 7 (5), 988-990
[Schistosoma] mansoni, human, hepatosplenic, effect of splenectomy on plasma phosphatidylcholine-cholesterol acyltransferase activity and on blood lipids

Spleen
Freeman, R. R.; and Parish, C. R., 1978, Immunology, v. 35 (3), 479-484
Plasmodium, spleen cell changes during fatal P. berghei vs. those during self-limiting P. yoelii infections in mice, protective immunity is associated with marked and sustained increases in numbers of Ig^+ and $Thy\text{-}1{\cdot}2^+$ spleen cells and in fatal infections these proliferative responses are apparently suppressed

Spleen
Galhotra, A. P.; et al., 1979, Indian Vet. J., v. 56 (6), 466-469
Anaplasma marginale, splenectomized calves (exper.), blood proteins, bilirubin and icterus index, bone marrow changes

Spleen
Hussein, H. S., 1979, Exper. Parasitol., v. 47 (1), 1-12
Babesia microti, B. hylomysci, mice, role of spleen during infection, erythrophagocytosis, determination of phagocytic activity of reticuloendothelial system

Spleen
Irvin, A. D.; Young, E. R.; and Osborn, G. D., 1978, Research Vet. Sc., v. 25 (2), 245-246
Babesia divergens, B. major, attempt to infect mice (nu/nu, nu/+, nu/nu splenectomized, and Lasat), neither parasite became established, B. divergens persisted up to 10 days, B. major lasted only 1 day, B. divergens persisted longer in splenectomized mice but absence of thymus made no apparent difference

Spleen
Krampitz, H. E.; and Baeumler, W., 1978, Ztschr. Parasitenk., v. 58 (1), 15-33
Babesia microti in Microtus agrestis, prevalence by host sex and weight and by months, splenomegaly, only Ixodes ricinus found on mammals and vegetation of surveyed area; experimental host range: westlich von München

Spleen
Maede, Y., 1978, Japan. J. Vet. Sc., v. 40 (2), 141-146
Haemobartonella felis in splenectomized vs. non-splenectomized cats, relations between parasitemia and hematocrit value, erythrocyte osmotic fragility and direct Coombs tests, organ distribution of ^{51}Cr-labeled erythrocytes

Spleen
Maede, Y.; and Murata, H., 1978, Japan. J. Vet. Sc., v. 40 (2), 203-205
Haemobartonella felis, detachment of organisms from parasitized erythrocytes by reticular cells in spleen of cat, ultrastructural observations

Spleen
Mahmoud, A. A. F.; and Woodruff, A. W., 1978, Clin. Sc. and Molecular Med., v. 54 (4), 397-401
Schistosoma mansoni, mice, splenomegaly, anemia, dependent not only on parasite factors but also on host immunologic response to infection

Spleen
Marsden, P. D.; and Crane, G. G., 1976, Rev. Inst. Med. Trop. S. Paulo, v. 18 (1), 54-70
malaria, humans, role in tropical splenomegaly syndrome, current appraisal, review

Spleen
Molyneux, M. E.; et al., 1979, J. Trop. Med. and Hyg., v. 82 (9-10), 183-187
malarial and schistosomal antibodies and serum immunoglobulin concentrations in patients with massive splenomegaly measured, discussion of problems in diagnosis of gross splenomegaly in areas where schistosomiasis and malaria coexist: Malawi

Spleen
Oomen, J. M. V.; Meuwissen, J. H. E. T.; and Gemert, W., 1979, Trop. and Geogr. Med., v. 31 (4), 587-606
males of 3 ethnic groups and 3 age groups inhabiting same locality, haematological status (including anemia), spleen and liver enlargement, immunoglobulin status, malaria parasite rates, other parasite infections, possible associations between these and other factors (including nutrition, sickle cell trait, altered immune response to malaria): Northern Nigeria

Spleen
Prabhakar, K. S.; and Hiregoudar, L. S., 1979, Gujarat Agric. Univ. Research J., v. 4 (2), 57-58
Theileria hirci, carrier sheep, parasite counts and haematological observations before and after splenectomy

Spleen
Premvati, G., 1979, J. Trop. Med. and Hyg., v. 82 (5), 105-109
Leishmania donovani-infected mice, correlation of hyperplasia, splenomegaly and hepatomegaly with parasite population, possible application to early diagnosis of human visceral leishmaniasis

Spleen
Rickman, W. J.; and Cox, H. W., 1979, J. Parasitol., v. 65 (1), 65-73
Trypanosoma brucei rhodesiense-infected rats, syndrome characterized by anemia, splenomegaly, and glomerulonephritis, accompanied by presence of 3 autoantibodies and by presence of fixed complement and fibrinogen on trypanosomes and erythrocytes

Spleen
Roberts, D. W.; and Weidanz, W. P., 1978, Infect. and Immun., v. 20 (3), 728-731
Plasmodium yoelii in immunologically competent mice and mice with defined immunological deficiencies, results indicate that splenomegaly, enhanced phagocytosis, and anemia are thymus-dependent responses to malaria infection

Spleen
Robinett, J. P.; and Rank, R. G., 1979, Infect. and Immun., v. 23 (2), 270-275
Trypanosoma musculi, mice, splenomegaly is T cell-dependent and is the result of proliferation of B and/or T lymphocytes

Spleen
Romestand, B.; and Trilles, J. P., 1977, Ztschr. Parasitenk., v. 52 (1), 91-95
Anilocra physodes, Meinertia oestroides, Emetha audouini, teleost fishes, blood values, anemia, hypertrophy and hypervascularization of spleen: Herault, France

Spleen
Seed, J. R.; et al., 1978, Am. Midland Naturalist, v. 100 (1), 126-134
Trypanosoma brucei gambiense-infected wild and laboratory Microtus montanus males, organ weights, parasite stress as cause of enlarged spleens and smaller gonads, splenomegaly can be used as survey marker to determine extent of parasitism in field populations, reduced reproductive potential suggests that parasitism plays role in limiting host population density: Jackson Hole, Wyoming

Spleen
Silakova, L. N.; and Pustovgar, I. E., 1971, Parazitologiia, Leningrad, v. 5 (6), 539-541
Trichinella spiralis, white mice, effect of splenectomy on course of infection

Spleen
Stuiver, P. C., 1972, Tijdschr. Gastro-enterol., v. 15 (4), 238-247
tropical splenomegaly in humans thought to be lymphoproliferative disorder secondary to abnormal immunological reaction to malaria infection, prolonged antimalarial therapy treatment of choice

Spleen
Thoongsuwan, S.; and Cox, H. W., 1978, J. Parasitol., v. 64 (4), 669-673
Trypanosoma lewisi, ATC strain in Sprague-Dawley rats, anemia, splenomegaly, and glomerulonephritis accompanied by presence of cold-active hemagglutinin for trypsinized rat erythrocytes

Spleen
Trees, A. J., 1978, Research Vet. Sc., v. 24 (1), 126-128
Babesia divergens, cattle (exper.), indirect fluorescent antibody levels not markedly different in splenectomized calves vs. nonsplenectomized adult cattle

Spleen
Trigg, M. E., 1979, South. Med. J., v. 72 (5), 593-599
immune functions of the spleen, includes information on malaria with special reference to Plasmodium inui in rhesus monkeys

Spleen
Vincent, A. L.; and Ash, L. R., 1978, Am. J. Trop. Med. and Hyg., v. 27 (3), 514-520
Brugia spp.-infected Meriones unguiculatus, histologic and organ weight changes in spleens, relationship to parasite life cycle, aspects related to host sex and to parasite species

Spleen
Weiner, D. J.; and Soulsby, E. J. L., 1978, Exper. Parasitol., v. 45 (2), 241-246
Litomosoides carinii, effects of splenectomy on ability of naive Mastomys natalensis to accept transplanted adult nematodes, results show that spleen plays important role in rejection phenomenon

Spleen
Weiss, M. L., 1978, Israel J. Med. Sc., v. 14 (6), 682-686
Plasmodium berghei in splenectomized and/or spleen-transposed gerbils and rats, course of infection, histological findings in liver and spleen, specific arming of macrophages

Spleen
Woo, P. T. K., 1979, Exper. Parasitol., v. 47 (1), 36-48
Trypanoplasma salmositica, successful in vitro culture and subpassage, course of infection in Salmo gairdneri (exper.), clinical signs (anemia, exophthalmia, abdominal distension with ascites, splenomegaly), diagnosis by wet mount examination more sensitive than hematocrit centrifuge technique, evidence of possible antigenic variation

Splenectomy. See Spleen.

Splenomegaly. See Spleen.

Sporulation
Ferguson, D. J. P.; et al., 1978, Acta Path. et Microbiol. Scand., v. 86B (1), 1-11
Eimeria brunetti, sporulation of oocysts, development of zygote and formation of sporoblasts, light and electron microscopy

Sporulation
Ferguson, D. J. P.;et al., 1978, Acta Path. et Microbiol. Scand., v. 86B (1), 13-24
Eimeria brunetti, sporulation of oocysts, development into sporocyst, formation of sporozoite, light and electron microscopy

Sporulation
Ferguson, D. J. P.; et al., 1978, Acta Path. et Microbiol. Scand., v. 86B (3), 165-167
Toxoplasma gondii, ultrastructure of sporocyst, initiation of sporozoite formation

Sporulation
Ferguson, D. J. P.; et al., 1979, Acta Path. et Microbiol., Scand., v. 87B (3), 171-181
Toxoplasma gondii, oocyst sporulation, zygote development, sporoblast formation, ultrastructure, light and electron microscopy

Sporulation
Wang, C. C.; and Stotish, R. L., 1978, Comp. Biochem. and Physiol., v. 61B (2), 307-313
Eimeria tenella, multiple leucine aminopeptidases in oocysts, changes during sporulation

Stains. See Technique, Stains.

Statistical models and theory. See Mathematical models and theory; Technique, Statistical methods.

Sterility. See Reproduction; Sex and parasitism.

Sterols. See Lipids.

Stomach. [See also Digestive system; Gastritis; Gastroenteritis]

Stomach
Mel'nikova, K. V., 1972, Parazitologiia, Leningrad, v. 6 (6), 549-554
Ascarops strongylina, pigs (exper.), accumulation of acid and neutral mucopolysaccharides in gastric mucosa in relation to duration of invasion, possible protective role and significance in pathogenesis of acute and chronic disease

Storage of specimens. See Freezing; Technique, Specimen preparation and preservation.

Strains, Host
Altaif, K. I.; and Dargie, J. D., 1978, Parasitology, v. 77 (2), 161-175
Haemonchus contortus, influence of breed and haemoglobin type on clinical and pathophysiological response of sheep to moderate primary infection, concluded that genetic resistance operated primarily against worm establishment and was probably controlled by the immune response elicited, in heavy infections there was no correlation between worm establishment and haemoglobin type

Strains, Host
Anderson, M. J. D.; and Griffin, J. F. T., 1979, Internat. J. Parasitol., v. 9 (3), 229-233
Taenia crassiceps, rats, differences in susceptibility to infection and development of immunocompetence in relation to host strain and age

Strains, Host
Barbosa, F. S.; and Figueiredo, T., 1970, Rev. Inst. Med. Trop. S. Paulo, v. 12 (3), 198-206
Schistosoma mansoni strains from northern Brazil, strains of Biomphalaria glabrata experimentally infected proved susceptible to schistosome infections, experimentally infected B. straminea strains were consistently poor vectors

Strains, Host
Behin, R.; Mauel, J.; and Sordat, B., 1979, Exper. Parasitol., v. 48 (1), 81-91
Leishmania tropica major in various strains of mice, course of infection and size distributions of cutaneous lesions, in vitro macrophage function

Strains, Host
Bjorvatn, B.; and Neva, F. A., 1979, Am. J. Trop. Med. and Hyg., v. 28 (3), 472-479
Leishmania tropica, newly isolated West African strain in several mouse strains, general course of infection, dose-response relationships, histopathology, specificity of lesions and evidence for dissemination of infection

Strains, Host
Bradley, D. J., 1977, Clin. and Exper. Immunol., v. 30 (1), 130-140
Leishmania donovani, acute growth rates in 25 inbred mouse strains fall into susceptible and resistant groups, breeding experiments show that single gene or linkage group controls acute susceptibility to this parasite in the mouse

Strains, Host
Bradley, D. J.; and Kirkley, J., 1977, Clin. and Exper. Immunol., v. 30 (1), 119-129
Leishmania donovani, course of infection and pathology in 7 strains of mice with varying degrees of susceptibility, results demonstrate strong control by genetic constitutions of host and provide model for study of innate and acquired immunity to chronic intracellular parasites

Strains, Host
Chieffi, P. P., 1975, Rev. Inst. Med. Trop. S. Paulo, v. 17 (2), 92-96
Schistosoma mansoni, 3 strains, susceptibility of various strains of Biomphalaria tenagophila

Strains, Host
Civil, R. H.; and Mahmoud, A. A. F., 1978, J. Immunol., v. 120 (3), 1070-1072
Bacillus Calmette-Guerin (BCG) induces nonspecific resistance to Schistosoma mansoni in only certain strains of inbred mice, BCG-induced protection does not correlate with increases in spleen weight and is not associated with genes of the major histocompatibility complex of the mouse

Strains, Host
Claas, F. H. J.; and Deelder, A. M., 1979, J. Immunogenet., v. 6 (3), 167-175
Schistosoma mansoni, mice of 2 congenic inbred strains, immune response (worm burden, mortality, antibody titre, spleen index, eosinophilia, delayed type hypersensitivity, in vitro response to 3 S. mansoni antigen preparations), results indicate H-2 region influences course of acute infection but not susceptibility to infection

Strains, Host
Clayton, C. E., 1978, Exper. Parasitol., v. 44 (2), 202-208
Trypanosoma brucei brucei, mice, influence of host strain and parasite antigenic type on course of infections

Strains, Host
Collins, W. E.; et al., 1979, Mosquito News, v. 39 (3), 466-472
Plasmodium falciparum, P. vivax (2 strains), Anopheles freeborni (exper.), susceptibility of natural and selected pupal color phenotypes to infection

Strains, Host
Deelder, A. M.; Claas, F. H. J.; and De Vries, R. R. P., 1978, Tr. Roy. Soc. Trop. Med. and Hyg., v. 72 (3), 321-322 [Letter]
Schistosoma mansoni, mice with strain differences in H-2 gene complex, no differences in worm burden but considerable differences in mortality and in antibody titer

Strains, Host
De Jonckheere, J., 1979, Path. Biol., v. 27 (8), 453-458
Naegleria fowleri, virulence for mice of isolates from environment, effect of axenic cultivation, brain passage, and passages in Vero cell cultures, mouse strain and age differences

Strains, Host
Dobson, C.; and Owen, M. E., 1978, Internat. J. Parasitol., v. 8 (5), 359-364
Nematospiroides dubius in different mouse strains, sex resistance, passive transfer experiments

Strains, Host
Eling, W., 1978, Tropenmed. u. Parasitol., v. 29 (2), 204-209
Plasmodium berghei-immunized mice, parasite survival in relation to time and host strain

Strains, Host
Eling, W.; van Zon, A.; and Jerusalem, C., 1977, Ztschr. Parasitenk., v. 54 (1), 29-45
Plasmodium berghei in mice, 6 different host strains compared, course of infection, mortality patterns, parasitemia, pathological changes, host genetic variation, implications for laboratory model studies

Strains, Host
Frandsen, F., 1979, J. Helminth., v. 53 (3), 205-212
Schistosoma haematobium, strains from Sudan, Zaire, and Zambia, compatibility with various species and strains of Bulinus

Strains, Host
Frandsen, F., 1979, J. Helminth., v. 53 (4), 321-348
Schistosoma mansoni, 7 geographical strains, compatibility with various species and strains of Biomphalaria

Strains, Host
Frandsen, F., 1979, J. Helminth., v. 53 (4), 349-355
Schistosoma bovis from Morocco, compatibility with various species and strains of Bulinus

Strains, Host
Gold, D.; and Kagan, I. G., 1978, J. Parasitol., v. 64 (5), 937-938
Entamoeba histolytica, susceptibility of various strains of mice to liver inoculation, infections were obtained in 6 of 9 strains but no strain was consistently susceptible

Strains, Host
Haggerty, R. M.; and John, D. T., 1978, Infect. and Immun., v. 20 (1), 73-77
Naegleria fowleri in mice, infecting dose and age, sex, and strain of host are important variables that markedly affect innate resistance to infection

Strains, Host
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Leishmania tropica, susceptibility in intact and nude mice of various genotypes and at level of macrophage in vitro, possible nature of immunological defect responsible for persistent disease in susceptible mouse strains

Strains, Host
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Plasmodium berghei, high and low antibody responder lines of mice and their interline hybrids, antibody response induced by vaccination with irradiated parasitized erythrocytes, innate resistance and protective efficacy of vaccination, results indicate vaccination-induced immunity is essentially due to antibody response

Strains, Host
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Schistosoma japonicum (Yamanashi strain) in laboratory colonies of Oncomelania spp. of different geographic strains, infection rate

Strains, Host
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Trypanosoma congolense, T. brucei, survival time of various strains of mice, C57 B1 mouse might provide laboratory model for study of trypanotolerance in cattle

Strains, Host
van der Kaay, H. J.; and Boorsma, L., 1977, Acta Leidensia, v. 45, 13-19
Plasmodium berghei berghei, selection of a fully susceptible strain of Anopheles atroparvus, not possible to obtain a completely refractive strain, effect of reciprocal matings between susceptible and refractive strains and of backcrosses of F1 offspring with these strains on susceptibility

Strains, Host
Kassim, O. O.; and Richards, C. S., 1979, Internat. J. Parasitol., v. 9 (6), 565-570
Schistosoma mansoni, host reactions to miracidia in 2 strains of Biomphalaria glabrata, involving variations in parasite strains and in numbers and sequences of exposures

Strains, Host
Klesius, P. H.; and Hinds, S. E., 1979, Infect. and Immun., v. 26 (3), 1111-1115
Eimeria ferrisi, comparison of susceptibility in various inbred and F_1 hybrid mouse strains and in nu/nu and nu/+ BALB/c mice, effect of treatment with rabbit anti-mouse thymocyte serum

Strains, Host
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Trichomonas vaginalis, inbred strains of mice differing in histocompatibility complex and multiple strain background genes, resistance or susceptibility differences dependent on genes outside major histocompatibility complex

Strains, Host
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Trypanosoma lewisi, feral isolate, comparative activity in albino vs. black rats (parasitemia, trypanosome cell size and reproductive development, trypanosome respiration), data show that albino rats were significantly more susceptible to infection than black rats

Strains, Host
Lie, K. J.; and Heyneman, D., 1979, Internat. J. Parasitol., v. 9 (6), 533-537
Echinostoma spp., acquired resistance in 4 Biomphalaria glabrata strains

Strains, Host
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Trichinella spiralis in NIH vs. BALB/c mice, distribution and duration of adult worms in small intestine, localization of lymphoblasts within regions of small intestine during course of infection

Strains, Host
Michelson, E. H.; and DuBois, L., 1978, Am. J. Trop. Med. and Hyg., v. 27 (4), 782-786
Schistosoma mansoni, susceptibility of 17 Biomphalaria glabrata populations to infection with allopatric parasite strain: Bahia, Brazil

Strains, Host
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Nematospiroides dubius, different consequences of infection in 3 different inbred strains of mice

Strains, Host
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Trypanosoma congolense, marked differences in susceptibility of inbred strains of mice to infection, correlation with changes in spleen lymphocyte populations

Strains, Host
Morrison, W. I.; and Murray, M., 1979, Exper. Parasitol., v. 48 (3), 364-374
Trypanosoma congolense, mouse strains, genetic basis of observed differences in susceptibility to infection examined with F1 hybrids and backcrosses, influence of H-2 haplotype on susceptibility

Strains, Host
Murrell, K. D.; et al., 1979, J. Parasitol., v. 65 (5), 829-831
Schistosoma mansoni, influence of mouse strain on induction of resistance with irradiated cercariae, no obvious or simple relationship to mouse H-2 haplotype

Strains, Host
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Leishmania tropica major in BALB/c mice, generalized infection and lack of delayed hypersensitivity, comparison with other mouse strains which exhibit localized and self-healing infection with this organism

Strains, Host
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Nippostrongylus brasiliensis-infected rats, increased permeability of gut mucosa is related to worm burden and neither to worm expulsion nor intestinal mast cell response, host strain difference in both worm burden kinetics and kinetics of intestinal permeability

Strains, Host
Neal, R. A.; and Harris, W. G., 1977, Protozoology, v. 3, 197-199
Entamoeba histolytica, susceptibility of various inbred strains of rats and mice

Strains, Host
Neilson, J. T. M., 1978, J. Parasitol., v. 64 (2), 378-380
Dipetalonema viteae, kinetics of primary infections in an outbred and 5 inbred strains of Mesocricetus auratus, different patterns relative to microfilariae elimination or non-elimination, differences in average numbers of adult worms recovered

Strains, Host
Nelson, W. A.; Bell, J. F.; and Stewart, S. J., 1979, Exper. Parasitol., v. 48 (2), 259-264
Polyplax serrata, histopathology of skin in mice that do (CFW strain) and do not (C57BL strain) develop resistance

Strains, Host
Ørnbjerg Christensen, N.; Frandsen, F.; and Nansen, P., 1979, Ztschr. Parasitenk., v. 59 (3), 267-275
Schistosoma mansoni cercariae, mice, host-penetrative capacity under selected environmental exposure conditions and in relation to some parasite- and final-host-related factors

Strains, Host
Perez, H.; Arredondo, B.; and Gonzalez, M., 1978, Infect. and Immun., v. 22 (2), 301-307
Leishmania mexicana, 2 human strains (one from typical case of American cutaneous leishmaniasis and one from case of diffuse cutaneous leishmaniasis) in 2 strains of inbred mice, course of lesions, delayed hypersensitivity response, agglutinating antibodies, in vitro responses to leishmanial antigens and to mitogens, results show impaired immune response in BALB/c mice

Strains, Host
Perez, H.; Labrador, F.; and Torrealba, J. W., 1979, Internat. J. Parasitol., v. 9 (1), 27-32
Leishmania mexicana, variations in response of 5 strains of mice (course of infection, delayed type hypersensitivity response, humoral antibody production), crossing experiments between resistant and susceptible strains suggest that resistance is inherited as dominant character

Strains, Host
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Trichinella spiralis, primary and secondary infections with 50 larvae in mice genetically selected for high and low antibody production, differential response, implications for mechanism of resistance

Strains, Host
Preston, P. M.; Behbehani, K.; and Dumonde, D. C., 1978, J. Clin. and Lab. Immunol., v. 1 (3), 207-219
Leishmania tropica major, experimental cutaneous leishmaniasis, anergy and allergy in cellular immune response during non-healing infection in different strains of mice

Strains, Host
Prowse, S. J.; et al., 1979, Parasite Immunol., v. 1 (4), 277-288
Nematospiroides dubius, 7 inbred strains of mice, differences in natural resistance to primary infection and in development of resistance to challenge infection, host sex differences, IgG_1 and IgG_{2a} concentrations

Strains, Host
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Schistosoma bovis from Salamanca, Spain, receptivity of different populations of Planorbarius metidjensis, Bulinus truncatus, and Biomphalaria glabrata

Strains, Host
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Giardia muris, course of infection in inbred mouse strains and in nude mice, susceptibility to reinfection in inbred strains, cell and serum transfer studies in nude mice, small bowel morphology in infected mice, potential use of this Giardia model

Strains, Host
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Giardia muris, mice, protective effect of injection of trophozoites in Freund complete adjuvant, host strain differences

Strains, Host
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Schistosoma mansoni, susceptibility of Venezuelan Biomphalaria glabrata strain to infection with strains of S. mansoni from various endemic zones

Strains, Host
Ruebush, M. J.; and Hanson, W. L., 1979, J. Parasitol., v. 65 (3), 430-433
Babesia microti, susceptibility of 5 strains of mice to parasites of human origin

Strains, Host
Shchukin, P. I.; et al., 1978, Izvest. Akad. Nauk SSSR, s. Biol. (1), 121-130
antigens of swine ascarids administered to three different strains of rat, differences in immune response

Strains, Host
Siddiqi, M. N.; and Meerovitch, E., 1976, Pakistan J. Zool., v. 8 (2), 191-197
Trichinella spiralis, 6 strains, relative infectivity in mice, guinea pigs, and 2 strains of rats (albino Wistar and hooded), role of host resistance

Strains, Host
Tanner, C. E., 1978, J. Parasitol., v. 64 (5), 956-957
Trichinella spiralis, susceptibility of several inbred lines of mice differing at the H-2 histocompatibility locus, no significant differences found in level of infection between any of the different mouse strains used, results suggest that intensity of infections with T. spiralis is probably not controlled by genes of the H-2 region

Strains, Host
Thomas, V.; and Singh, K. R. P., 1977, Indian J. Med. Research, v. 65, Suppl., 102-106
Wuchereria bancrofti in Culex pipiens fatigans vectors, no consistent differences between vector strains in their degree of susceptibility to infections, all strains tested were highly susceptible, implications for genetic control programs

Strains, Host
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Trypanosoma cruzi (Brazil strain), characteristics of resistant and susceptible strains of mice following challenge, results suggest a necessary association of natural resistance with the immune response, principal genetic determinant of resistance is not associated with H-2 haplotype

Strains, Host
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genetic control of susceptibility and resistance to parasitic infection, review

Strains, Host
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Pneumocystis carinii, cortisonized mouse as experimental model for pneumocystis pneumonia, host strain differences

Strains, Host
Warren, M.; et al., 1979, Mosquito News, v. 39 (3), 472-477
Plasmodium vivax- and P. falciparum-infected Anopheles albimanus (exper.), susceptibility of natural pupal phenotypes to infection

Strains, Host
Wassom, D. L.; David, C. S.; and Gleich, G. J., 1979, Immunogenetics, v. 9 (4-5), 491-496
Trichinella spiralis, genes within major histocompatibility complex influence susceptibility to infection in the mouse

Strains, Host
Weiss, N., 1978, Exper. Parasitol., v. 46 (2), 283-299
Dipetalonema viteae in 2 strains of hamster, lymphocyte blastogenesis (during different stages of primary infection, after injection of dead larvae, after implantation of adult worms, in mixed infection with Schistosoma mansoni), attempt to relate results with parasitological findings and with humoral immune response, analysis of cellular unresponsiveness to filarial antigens in chronically infected LAKZ hamsters

Strains, Host
Williams, D. M.; Grumet, F. C.; and Remington, J. S., 1978, Infect. and Immun., v. 19 (2), 416-420
Toxoplasma gondii, mice, genetic control of resistance, data demonstrate that murine susceptibility to T. gondii is under multigeneic control with at least one of genes linked to H-2 locus and different mechanisms of action are suggested for some of infection susceptibility genes because of phenomenon of genetic complementarity

Strains, Host
Yoshimura, K.; et al., 1979, Japan. J. Vet. Sc., v. 41 (3), 245-259
Angiostrongylus cantonensis in 8 strains of inbred rats, occurrence of acquired resistance, kinetics of humoral immune response (reaginic and indirect hemagglutination antibody response)

Strains, Host
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Plasmodium berghei, histo- and immunopathology in 6 different mouse strains, symposium presentation

Strains, Parasite
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Cochliomyia hominivorax, new strain ('TEX-MEX') outperformed standard production strain ('APHIS') in dispersal and survival in field trials: Central Texas river valley; South Texas rangeland

Strains, Parasite
Ailiarova, S. T., 1972, Parazitologiia, Leningrad, v. 6 (1), 19-21
Entamoeba histolytica, hyaluronidase activity of 10 strains compared, activity reduced but not lost by long laboratory cultivation, does not depend on associated microflora but on amoebae themselves

Strains, Parasite
Akahane, H.; and Oshima, T., 1976, Kiseichugaku Zasshi (Japan. J. Parasitol.), v. 25 (4), 231-234
Fasciola sp., existence of strain with large eggs and strain with small eggs, heritability of trait: Japan

Strains, Parasite
Akinshina, G. T.; and Desmon, Zh., 1977, Veterinariia, Moskva (12), 80-85
Toxoplasma gondii, mechanical-secretory penetrative ability into mouse peritoneal macrophages is correlated with strain virulence, scanning electron microscopy

Strains, Parasite
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Schistosoma mansoni, variation in number of ciliated papillae on miracidia of different strains, variations are related to intermediate and definitive hosts

Strains, Parasite
Albaret, J. L.; and Leger, N., 1978, Ann. Parasitol., v. 53 (6), 617-622
Schistosoma mansoni, miracidial chetotaxic index, changes during adaptation of human strain to white mice, use in determining human vs. murine character of natural infections in Guadeloupe, possibility of murine strains infecting humans

Strains, Parasite
Amato Neto, V.; Campos, R.; and Higaki, Y., 1974, Rev. Inst. Med. Trop. S. Paulo, v. 16 (4), 238-244
Trypanosoma cruzi, re-examination of person from whom extensively studied virulent Y strain had been isolated 23 years earlier, typical signs of chronic infection not evident

Strains, Parasite
Andrade, S. G., 1974, Rev. Patol. Trop., v. 3 (1), 65-121
Trypanosoma cruzi, characteristics of strain isolated in area of Salvador (virulence, tissue tropism, morphology, pathology), comparison with characteristics of strains from other areas, extensive bibliography: Bahia, Brazil

Strains, Parasite
Andrade, S. G.; et al., 1970, Rev. Inst. Med. Trop. S. Paulo, v. 12 (6), 395-402
Trypanosoma cruzi, mice with chronic infection with Colombian strain, inoculation with virulent Y strain, results demonstrate that chronic infection produces partial immunity and that co-existence of parasite strains is possible

Strains, Parasite
Andrade, S. G.; et al., 1972, Rev. Inst. Med. Trop. S. Paulo, v. 14 (3), 154-161
Trypanosoma cruzi, Colombian strain, mice with reticulo-endothelial blockade due to India ink injections, cortisone-treated mice, suckling mice, severe infection with high parasitemia occurred in these animals with lowered resistance but basic strain pattern was not changed

Strains, Parasite
Andrade, S. G.; et al., 1975, Rev. Inst. Med. Trop. S. Paulo, v. 17 (6), 380-389
Trypanosoma cruzi, mice, Peruvian or Colombian strain, Bay 2502, results varied with strain, suggestions for future research

Strains, Parasite
Araujo, F. G.; and Nunes, R. M. B., 1978, Rev. Inst. Med. Trop. S. Paulo, v. 20 (6), 315-317
Trypanosoma cruzi, 3 strains with differences in antigenic structure, strain F1 always yielded lower titers in immunofluorescent test, use of pool of several strains recommended

Strains, Parasite
Arnaudov, D., 1978, Vet. Med. Nauki, v. 15 (7), 38-46
Toxoplasma gondii strains isolated from rabbits and fetuses of ewes which miscarried, comparative studies of virulence and immunogenicity, role in etiology of abortion

Strains, Parasite
Augustine, P. C.; Vetterling, J. M.; and Doran, D. J., 1977, Proc. Helminth. Soc. Washington, v. 44 (2), 147-149
Eimeria tenella, comparison of amprolium- and buquinolate-resistant strains to a drug-sensitive strain with respect to (1) oocyst production in chicks and (2) infectivity, rate of development, and oocyst production in primary chick kidney cell cultures

Strains, Parasite
Bachrach, U.; et al., 1979, Exper. Parasitol., v. 48 (3), 457-463
Leishmania spp., cellular levels and synthesis of polyamines during growth cycle, polyamines characteristics might serve as further criterion for strain identification and classification

Strains, Parasite
Barbosa, F. S.; and Figueiredo, T., 1970, Rev. Inst. Med. Trop. S. Paulo, v. 12 (3), 198-206
Schistosoma mansoni strains from northern Brazil, strains of Biomphalaria glabrata experimentally infected proved susceptible to schistosome infections, experimentally infected B. straminea strains were consistently poor vectors

Strains, Parasite
Belda Neto, F. M., 1974, Rev. Soc. Brasil. Med. Trop., v. 8 (1), 27-36
Trypanosoma cruzi, morpho-biometric and biologic comparisons of 17 strains; results showed no relationships between morphology and pathogenicity of strains studied

Strains, Parasite
Benach, J. L.; et al., 1979, Am. J. Trop. Med. and Hyg., v. 28 (4), 643-648
Babesia microti, 1 human-derived and 2 rodent-derived isolates from Long Island, immunological relationships

Strains, Parasite
Bjorneboe, A.; and Frandsen, F., 1979, J. Helminth., v. 53 (3), 195-203
Schistosoma intercalatum, comparison of characteristics of 2 strains (Cameroon vs. Zaire) in mice (worm return, male/female worm ratio, growth rate, number of testes in adult male worms, quantitative distribution of eggs in host tissue, size and shape of eggs, changes in weight of host spleen and liver)

Strains, Parasite
Brener, Z., 1971, Rev. Inst. Med. Trop. S. Paulo, v. 13 (3), 171-178
Trypanosoma cruzi, life cycle in vertebrate and invertebrate hosts, influence of parasite strains, host genetic factors, bacterial flora, and parasite morphology on host susceptibility

Strains, Parasite
Brener, Z.; Costa, C. A. G.; and Chiari, C., 1976, Rev. Inst. Med. Trop. S. Paulo, v. 18 (6), 450-455
Trypanosoma cruzi, mice treated with nitrofurazone, nifurtimox, or Ro 7-1051, differences in susceptibility of 4 parasite strains to active drugs attributed to biological characteristics of strains rather than to mode of drug action

Strains, Parasite
Chaia, G.; et al., 1977, Rev. Inst. Med. Trop. S. Paulo, v. 19 (3), 195-201
Entamoeba histolytica, strain Eh 1 isolated from woman with acute infection, virulence in laboratory animals and utilization in drug screening in hamsters

Strains, Parasite
Chance, M. L.; et al., 1978, Ann. Trop. Med. and Parasitol., v. 72 (1), 13-22
Plasmodium (Vinckeia) spp., value of DNA studies employing buoyant density determinations and measurements of nucleotide sequence homology in systematics and identification

Strains, Parasite
Chance, M. L.; et al., 1978, Ann. Trop. Med. and Parasitol., v. 72 (6), 533-542
Leishmania, identification of 68 strains from Aethiopian zoogeographical region on basis of biochemical and serological taxonomy (nuclear and kinetoplast DNA buoyant density, excreted factor serotypes, enzyme variant types), epidemiological implications

Strains, Parasite
Chiari, E., 1974, Rev. Inst. Med. Trop. S. Paulo, v. 16 (2), 61-67
Trypanosoma cruzi, mice, culture forms (Y and MR strains) previously kept for 1 1/2 to 18 years without animal passage, infectivity compared

Strains, Parasite
Chiari, E., 1974, Rev. Inst. Med. Trop. S. Paulo, v. 16 (2), 81-87
Trypanosoma cruzi, strains Y and MR cultured for different periods of time, comparison of growth curves and differentiation (epimastigotes to metacyclic trypomastigotes) rates

Strains, Parasite
Chieffi, P. P., 1975, Rev. Inst. Med. Trop. S. Paulo, v. 17 (2), 92-96
Schistosoma mansoni, 3 strains, susceptibility of various strains of Biomphalaria tenagophila

Strains, Parasite
Chu, K. Y.; Kpo, H. K.; and Klumpp, R. K., 1978, Bull. World Health Organ., v. 56 (4), 601-608
Schistosoma haematobium, mixing of 'rohlfsi' and 'globosus' strains among human and intermediate hosts: Anyaboni, Ghana

Strains, Parasite
Collins, W. E.; et al., 1979, Mosquito News, v. 39 (3), 466-472
Plasmodium falciparum, P. vivax (2 strains), Anopheles freeborni (exper.), susceptibility of natural and selected pupal color phenotypes to infection

Strains, Parasite
De Jonckheere, J., 1979, Path. Biol., v. 27 (8), 453-458
Naegleria fowleri, virulence for mice of isolates from environment, effect of axenic cultivation, brain passage, and passages in Vero cell cultures, mouse strain and age differences

Strains, Parasite
Delachambre, D., 1979, Compt. Rend. Acad. Sc., Paris, v. 289, s. D, Sc. Nat. (4), 409-411
Trichomonas vaginalis, comparison of soluble antigens of 2 cultured clones of different age originating from the same strain

Strains, Parasite
Delgado, M. A.; and Santos-Buch, C. A., 1978, Am. J. Trop. Med. and Hyg., v. 27 (6), 1108-1115
Trypanosoma cruzi, mice, transplacental transmission is dependent upon pathogenicity of parasite strain and phagocytic activity of placenta

Strains, Parasite
Dias, L. C. de S.; et al., 1978, Rev. Saude Pub., S. Paulo, v. 12 (1), 110
Schistosoma mansoni, isolation of strain resistant to hycanthone and to oxamniquine

Strains, Parasite
Dick, T. A.; and Belosevic, M., [1979], J. Parasitol., v. 64 (6), 1978, 1143-1145
Trichinella spiralis, Churchill isolate from polar bear, infectivity for laboratory animals (mice, rats, golden hamsters), effects of freezing before and after passaging in experimental animals

Strains, Parasite
Dikovskaia, V. E., 1974, Parazitologiia, Leningrad, v. 8 (6), 548-552
Eimeria tenella, 13 strains, intraspecific variability with respect to virulence, reproductive capability, and immunogenic properties: USSR

Strains, Parasite
Disko, R.; Braveny, I.; and Greutelaers, M. T., 1978, Zentralbl. Bakteriol., 1. Abt. Orig., Reihe A, v. 242 (4), 565-571
Toxoplasma gondii, affinity of 4 strains to mice brains over other organs

Strains, Parasite
Frandsen, F., 1978, J. Helminth., v. 52 (1), 11-22
Schistosoma intercalatum, results of hybridization between different strains from Cameroun and Zaire

Strains, Parasite
Frandsen, F., 1979, J. Helminth., v. 53 (3), 205-212
Schistosoma haematobium, strains from Sudan, Zaire, and Zambia, compatibility with various species and strains of Bulinus

Strains, Parasite
Frandsen, F., 1979, J. Helminth., v. 53 (4), 321-348
Schistosoma mansoni, 7 geographical strains, compatibility with various species and strains of Biomphalaria

Strains, Parasite
Funayama, G. K.; and Prado, J. C., jr., 1974, Rev. Soc. Brasil. Med. Trop., v. 8 (2), 75-81
Trypanosoma cruzi, strain isolated from Triatoma infestans captured in Vitichi, Bolivia, severe pathogenicity for mice, mice recovered from infection have high resistance against reinfection by the Y strain, Bolivia strain easily cultured and regularly infective for several triatomines

Strains, Parasite
Gatapia, S. L.; and Bautista, I. R., 1975, Philippine J. Animal Indust., v. 30 (1-4), 1973-1975, 17-29
Trypanosoma evansi from cattle and buffaloes, 3 biometric strains described: Philippines

Strains, Parasite
Gibson, W. C.; et al., 1978, Comp. Biochem. and Physiol., v. 60B (2), 137-142
Trypanosoma evansi, 10 isolates compared, isoenzymes, soluble proteins, polypeptides, free amino acids (starch gel electrophoresis, isoelectric focusing, SDS polyacrylamide electrophoresis, amino acid analysis)

Strains, Parasite
Han, T. W., 1978, Research Rep., Office Rural Develop., Min. Agric. and Fish., Korea, v. 20, 53-88
theileriosis, cattle, historical review, seasonal and host age incidence, duration of parasitaemia, relapse time; transmission of Theileria sp. to cattle using Boophilus microplus and Haemaphysalis longicornis; pathogenicity and immunogenicity of Korean and Japanese strains of T. sergenti compared: Korea

Strains, Parasite
Hashemi-Fesharki, R., 1978, Arch. Inst. Razi (30), 91-99
Theileria annulata, 3 strains of varying virulence, calves (exper.), primary infections with different doses, parasitological findings, host temperature, resistance to challenge with homologous and heterologous strains

Strains, Parasite
Hinz, E., 1978, Zentralbl. Bakteriol., 1. Abt. Orig., Reihe A, v. 240 (4), 542-548
Echinococcus multilocularis, mice, fenbendazole, significant reduction in worm burden and number of protoscolices, degree of efficiency subject to way of application, duration of medication and parasite strain

Strains, Parasite
Hinz, E., 1978, Zentralbl. Bakteriol., 1. Abt. Orig., Reihe A, v. 241 (3), 388-394
Echinococcus multilocularis, HH vs. S strain, mice treated with fenbendazole as emulsion or in feed, serum protein values, compared with untreated and with uninfected mice

Strains, Parasite
Hinz, E., 1978, Zentralbl. Bakteriol., 1. Abt. Orig., Reihe A, v. 242 (2), 268-272
Echinococcus multilocularis, HH vs. S strain, mice treated with fenbendazole as emulsion or in feed, indirect fluorescent antibody titers, compared with untreated mice

Strains, Parasite
Jenni, L., 1977, Ann. Soc. Belg Med. Trop., v. 57 (4-5), 383-388
Trypanosoma brucei brucei complex, antigenic variants in cyclically transmitted strains

Strains, Parasite
Joyner, L. P.; et al., 1978, Parasitology, v. 77 (1), 27-31
coccidia, particularly of the genus Eimeria, proposed terminology which provides for discussion of variation at infrasubspecific levels, guidelines for designation of strains and lines

Strains, Parasite
Kasprzak, W.; Mazur, T.; and Rucka, A., 1974, Ann. Soc. Belge Med. Trop., v. 54 (4-5), 351-357
4 strains of free-living amoebae isolated from lakes in Poland, pathogenicity for mice, response to several drugs, identified as Acanthamoeba spp. on basis of morphology and protein disc electrophoretic patterns

Strains, Parasite
Kassim, O. O.; Cheever, A. W.; and Richards, C. S., 1979, Exper. Parasitol., v. 48 (2), 220-224
Schistosoma mansoni, mice infected with different worm strains, significant differences in prepatent period, egg distribution, and numbers of eggs in tissue and feces

Strains, Parasite
Kassim, O. O.; and Richards, C. S., 1978, Exper. Parasitol., v. 46 (2), 213-217
Schistosoma mansoni, levels of lysozyme activity in Biomphalaria glabrata (hemolymph, digestive gland, and headfoot extracts) during infection with compatible and incompatible parasite strains, results suggest that lysozyme does not by itself play a major role in the destruction of a schistosome infection in a resistant snail host

Strains, Parasite
Kassim, O. O.; and Richards, C. S., 1979, Internat. J. Parasitol., v. 9 (6), 565-570
Schistosoma mansoni, host reactions to miracidia in 2 strains of Biomphalaria glabrata, involving variations in parasite strains and in numbers and sequences of exposures

Strains, Parasite
Kassim, O. O.; and Richards, C. S., 1979, J. Invert. Path., v. 33 (3), 385-386
Schistosoma mansoni, radioisotope labeling for differentiating between strains in individual Biomphalaria glabrata snails

Strains, Parasite
Katz, N.; et al., 1973, Rev. Soc. Brasil. Med. Trop., v. 7 (6), 381-387
Schistosoma mansoni, isolation of drug resistant strain (WW strain), reactions in mice to therapy with hycanthone, niridazole and oxamniquine compared with reactions of LE drug sensitive strain

Strains, Parasite
Kloetzel, J.; and Deane, M. P., 1977, Rev. Inst. Med. Trop. S. Paulo, v. 19 (6), 397-402
Trypanosoma cruzi, immunofluorescence of F vs. Y strain, host immunoglobulins attached to surface of F strain, capping of immunoglobulins during differentiation in culture medium

Strains, Parasite
Knight, R. A., 1978, J. Parasitol., v. 64 (4), 601-605
Fasciola hepatica of ovine and bovine origin, effects of experimental infection in homologous and heterologous hosts, "Since there appear to be no strain differences in infectivity and pathogenicity of flukes from sheep and cattle, sheep and cattle isolates would more correctly describe flukes cultured from one or the other host."

Strains, Parasite
Krettli, A. U., 1972, Rev. Inst. Med. Trop. S. Paulo, v. 14 (4), 235-245
Plasmodium juxtanucleare, new foci, prevalence survey, pathology, recently isolated strain and 20 year old strain compared for forms and virulence

Strains, Parasite
Krettli, A. U.; Pereira, J. P.; and Brener, Z., 1969, Rev. Inst. Med. Trop. S. Paulo, v. 11 (2), 94-100
Plasmodium berghei normal and chloroquine-resistant strains, mice, comparative study of hematology, parasitemia curves, and mortality rate

Strains, Parasite
Krettli, A. U.; Weisz-Carrington, P.; and Nussenzweig, R. S., 1979, Clin. and Exper. Immunol., v. 37 (3), 416-423
Trypanosoma cruzi, in vitro lysis of bloodstream forms mediated by antibodies and complement, strain differences in susceptibility to lysis

Strains, Parasite
Kuntz, R. E.; Huang, T. C.; and Moore, J. A., 1979, J. Parasitol., v. 65 (3), 464-464
Schistosoma mansoni, comparisons of infections with 3 parasite strains (Kenya, Puerto Rico, South Africa) in Papio cynocephalus

Strains, Parasite
Le Riche, P. D.; and Sewell, M. M. H., 1978, Research Vet. Sc., v. 25 (2), 247-248
Echinococcus granulosus, zymograms of glucose phosphate isomerase to differentiate biochemical strains, results indicate an 'ovine' strain (in sheep and cattle) and an 'equine' strain (in horses), strain from camels may also be biochemically different

Strains, Parasite
Long, P. L.; and Millard, B. J., 1979, Parasitology, v. 79 (3), 451-457
Eimeria maxima, immunological differences between laboratory strains and field isolates effect of mixed immunizing inoculum on heterologous challenge

Strains, Parasite
Lourens, J. H. M.; and Lyaruu, D. M., 1979, PANS, v. 25 (2), 135-142
Rhipicephalus appendiculatus, susceptibility of organochlorine susceptible and resistant East African strains to ten cholinesterase inhibiting acaricides

Strains, Parasite
Luckins, A. G.; and Gray, A. R., 1979, Parasitology, v. 79 (3), 337-347
Trypanosoma congolense, stocks from East and West Africa, antigenicity and serological relationships

Strains, Parasite
Luecht, I. G.; Millard, B. J.; and Scholtyseck, E. O., 1978, Parasitology, v. 76 (2), 185-191
Eimeria tenella, embryo-adapted strain, fine structure and development in chicken embryos, complete endogenous cycle is restricted to epithelial cells of chorio-allantoic membrane, no major ultrastructual changes have occurred as result of repeated embryo passage

Strains, Parasite
Lysenko, A. Ia., 1977, Protozoology, v. 3, 149-157
Plasmodium vivax, patterns of incubation periods and relapses in various strains, review

Strains, Parasite
McHardy, N.; and Elphick, J. P., 1978, Internat. J. Parasitol., v. 8 (1), 25-31
Trypanosoma cruzi, mice, cross-immunization between 5 parasite strains using freeze-thawed vaccines containing epimastigotes of 1, 2, 3, or 5 strains, all except one of single-strain vaccines gave good protection against both homologous and heterologous challenges, inclusion of more than one strain in vaccine failed to increase protection and in some instances appeared to reduce it

Strains, Parasite
McManus, D. P.; and Smyth, J. D., 1978, Parasitology, v. 77 (1), 103-109
Echinococcus granulosus (horse and sheep strains), E. multilocularis, differences in chemical composition and carbohydrate metabolism between species and strains

Strains, Parasite
Mahoney, D. F.; et al., 1979, Internat. J. Parasitol., v. 9 (4), 297-306
Babesia bovis, immune response in Bos taurus studied using passive transfer of serum from immune animals, results suggest effector mechanism is mediated by strain-specific antibody

Strains, Parasite
Martinez B., N., 1969, Atas Soc. Biol. Rio de Janeiro, v. 12 (4), 179-180
Leishmania, experimental dog infections with human strains of espundia or uta types, dogs equally susceptible to both types

Strains, Parasite
Masihi, K. N.; and Werner, H., 1977, Ztschr. Parasitenk., v. 54 (3), 209-216
Toxoplasma gondii, immunization of NMRI mice against highly virulent BK strain, comparative efficacy of eleven cyst-forming strains

Strains, Parasite
Mattern, C. F. T.; Keister, D. B.; and Caspar, P. A., 1978, Am. J. Trop. Med. and Hyg., v. 27 (5), 882-887
Entamoeba histolytica, rapid in vitro assay for cytopathogenicity of axenically cultivated strains, results compared with in vivo virulence assays

Strains, Parasite
Mattern, C. F. T.; Keister, D. B.; and Diamond, L. S., 1979, Am. J. Trop. Med. and Hyg., v. 28 (4), 653-657
Entamoeba histolytica, viral conversion of virulence, data indicate that amebae surviving virus infection may be increased, decreased, or unaltered in virulence unrelated to virulence of amebal strain serving as viral donor

Strains, Parasite
Melo, R. C.; and Brener, Z., 1978, J. Parasitol., v. 64 (3), 475-482
Trypanosoma cruzi, distribution of intracellular parasites in organs and tissues of mice inoculated with 4 different strains, some aspects of tissue tropism related to physiological characteristics of bloodstream forms, importance of this distribution in pathogenesis of disease

Strains, Parasite
Menezes, H., 1970, Rev. Inst. Med. Trop. S. Paulo, v. 12 (1), 64-68
Trypanosoma cruzi, avirulence of cultivated Y strain, dogs and mice

Strains, Parasite
Menezes, H., 1970, Rev. Inst. Med. Trop. S. Paulo, v. 12 (2), 129-135
Trypanosoma cruzi, cultivated Y strain, avirulence demonstrated by failure to infect immunosuppressed mice

Strains, Parasite
Menezes, H., 1971, Rev. Soc. Brasil. Med. Trop., v. 5 (4), 212-233
Trypanosoma cruzi, demonstration of avirulence of PF strain in mice vaccinated and treated with immunosuppressive drugs

Strains, Parasite
Menezes, H., 1971, Rev. Inst. Med. Trop. S. Paulo, v. 13 (1), 14-17
Trypanosoma cruzi, cultivated Y strain (now PF strain), avirulence unaffected by successive inoculations into mice or by high doses of prednisolone used simultaneously

Strains, Parasite
Menezes, H., 1974, Rev. Soc. Brasil. Med. Trop., v. 8 (5), 253-265
Trypanosoma cruzi, antilymphocytic serum enhanced infection in dogs infected with virulent strain of parasite but could not promote evident infection and disease in dogs injected with live avirulent T. cruzi PF strain

Strains, Parasite
Menezes, H., 1976, AMB, Rev. Ass. Med. Brasil., v. 22 (4), 111-114
Trypanosoma cruzi, PF strain, avirulence in mice, protective effect against subsequent challenge with virulent strain

Strains, Parasite
Mercado, T. I.; and Garbus, J., 1979, Comp. Biochem. and Physiol., v. 64B (1), 11-15
Trypanosoma cruzi, mice infected with myotropic vs. reticulotropic parasite strains, creatine phosphokinase isoenzymes in plasma and tissues

Strains, Parasite
Milder, R.; Kloetzel, J.; and Deane, M. P., 1977, Rev. Inst. Med. Trop. S. Paulo, v. 19 (5), 313-322
Trypanosoma cruzi trypomastigotes, interaction with hamster peritoneal macrophages at optical and ultrastructural levels in vitro, possible mechanisms of parasite intracellular fate, strain differences

Strains, Parasite
Nasyrov, F. Sh.; and Iusypov, K. A., 1974, Parazitologiia, Leningrad, v. 8 (1), 77-81
Leishmania tropica major, 13 strains isolated from humans, virulence for white mice, pathogenicity factors (hyaluronidase, fibrinolysin, plasmocoagulase, Duran-Reynals factor, dermonecrotoxic properties): Termez

Strains, Parasite
Nerad, T. A.; and Daggett, P. M., 1979, J. Protozool., v. 26 (4), 613-615
Naegleria fowleri, N. gruberi, isoenzyme electrophoresis as effective method for separation of pathogenic and nonpathogenic Naegleria strains

Strains, Parasite
Ni, G. V., 1973, Parazitologiia, Leningrad, v. 7 (1), 75-78
leptomonads, differentiation of pathogenic (Leishmania tropica major) from non-pathogenic strains by their reaction to increased incubation temperatures in vitro

Strains, Parasite
Ohshima, S.; Hoshino, M.; and Tanaka, H., 1977, Kiseichugaku Zasshi (Japan. J. Parasitol.), v. 26 (3), 127-131
Toxoplasma, 11 strains, susceptibility to 6 drugs, mice

Strains, Parasite
Omar, M. S., 1978, Tropenmed. u. Parasitol., v. 29 (4), 462-472
Onchocerca volvulus, histochemical enzyme-staining patterns of microfilariae from persons in different geographical areas

Strains, Parasite
Oteng, A. K., 1977, Bull. Animal Health and Prod. Africa, v. 25 (2), 126-131
Theileria parva, cross-immunity trials in recovered cattle indicate that Ugandan isolates differ immunologically from T. parva (Muguga) and among themselves and that several strains and/or species are responsible for field cases of East Coast fever: Uganda

Strains, Parasite
Perez, H.; Arredondo, B.; and Gonzalez, M., 1978, Infect. and Immun., v. 22 (2), 301-307
Leishmania mexicana, 2 human strains (one from typical case of American cutaneous leishmaniasis and one from case of diffuse cutaneous leishmaniasis) in 2 strains of inbred mice, course of lesions, delayed hypersensitivity response, agglutinating antibodies, in vitro responses to leishmanial antigens and to mitogens, results show impaired immune response in BALB/c mice

Strains, Parasite
Petana, W. B.; and Coura, J. R., 1974, Rev. Soc. Brasil. Med. Trop., v. 8 (6), 315-323
Trypanosoma cruzi, comparison of 9 strains isolated from man, animals, and triatomine bugs, host pathology, virulence, infectivity, importance of strain differentiation: Brazil

Strains, Parasite
Peters, W.; et al., 1978, Ann. Trop. Med. and Parasitol., v. 72 (1), 23-36
Plasmodium berghei 'NS lines' form distinct taxon within P. yoelii complex and should be referred to as P. yoelii subspecies on basis of isoenzyme, DNA, and cross-immunity relationships with other rodent Plasmodium spp.

Strains, Parasite
Reich, C. I.; et al., 1978, Exper. Parasitol., v. 44 (1), 50-55
Boophilus microplus, 2 Argentinian strains, one resistant and one sensitive to organophosphate acaricides, differences in cholinesterase system

Strains, Parasite
Ribbeck, R.; and Gehrt, M., 1974, Ang. Parasitol., v. 15 (2), 67-74
Psoroptes cuniculi populations from domestic rabbits, 2 strains, differences in body size and survival time in vitro of all developmental stages

Strains, Parasite
Ribeiro, R. D.; Belda Neto, F. M.; and Barretto, M. P., 1978, Rev. Brasil. Biol., v. 38 (2), 345-349
Trypanosoma cruzi, 4 strains with morphologically different blood trypomastigotes, differences in development in coelomic cavity of Panstrongylus megistus (exper.)

Strains, Parasite
Rollinson, D.; Joyner, L. P.; and Norton, C. C., 1979, Parasitology, v. 78 (3), 361-367
Eimeria maxima (Weybridge) and E. maxima (indentata) were distinguished by electrophoretic mobility of phosphoglucomutase, this enzyme was used as marker to detect genetic transfer of methyl benzoquate resistance between resistant and sensitive lines of these parasites

Strains, Parasite
Romanha, A. J.; et al., 1979, Comp. Biochem. and Physiol., v. 62B (2), 139-142
Trypanosoma cruzi, isoenzyme patterns of 4 soluble enzymes in seven parasite stocks determined by electrophoresis, changes after prolonged subculture

Strains, Parasite
Romero-Morrell, J.; and Marta G., C. B., 1978, Rev. Inst. Med. Trop. S. Paulo, v. 20 (6), 318-322
Schistosoma mansoni, susceptibility of Venezuelan Biomphalaria glabrata strain to infection with strains of S. mansoni from various endemic zones

Strains, Parasite
Rosario, V. E.; et al., 1978, Lancet, London (8057), v. 1, 185-187
Plasmodium chabaudi, infection of mice with mixtures of drug-resistant (pyrimethamine or chloroquine) and drug sensitive strains, resulting infections were maintained in absence of drugs with some persistence of resistant forms over sensitive forms

Strains, Parasite
Ross, G. C.; Southgate, V. R.; and Knowles, R. J., 1978, Ztschr. Parasitenk., v. 57 (1), 49-56
Schistosoma bovis strains, S. mattheei, S. margrebowiei, S. leiperi, isoenzymes compared by isoelectric focusing, technique for further studies of inter- and intraspecific relationships

Strains, Parasite
de Santana, J. V.; Magalhaes, L. A.; and Rangel, H. de A., 1978, Rev. Saude Pub., S. Paulo, v. 12 (1), 67-77
populations of Biomphalaria tenagophila and B. glabrata which are highly susceptible to Schistosoma mansoni strains from the Valley of Paraiba do Sul River and Belo Horizonte areas have been obtained after four generations by using a schedule of individual selections; this rapid genetic gain in susceptibility shows that molluscan susceptibility is highly inheritable and apparently conditioned by a few genes

Strains, Parasite
Santos, J. C. M., 1971, Rev. Inst. Med. Trop. S. Paulo, v. 13 (4), 279-284
Trypanosoma cruzi in Rhodnius prolixus, infectivity of avirulent PF strain compared with virulent Y strain

Strains, Parasite
dos Santos, R. R., 1973, Rev. Patol. Trop., v. 2 (4), 433-463
Trypanosoma cruzi, lymphocytes of mice inoculated with avirulent PF strain conferred immunity in mice (treated with immunosuppressive drugs or untreated) against infections with the virulent Y strain; newborn mice treated with immunosuppressive drugs showed no protection against the virulent strain

Strains, Parasite
Savina, M. A., 1976, Med. Parazitol. i Parazitar. Bolezni, v. 45 (1), 69-74
Toxoplasma, low-virulence strains, frequent serial passage in mice increased virulence

Strains, Parasite
Serebriakov, V. A.; et al., 1973, Parazitologiia, Leningrad, v. 7 (5), 385-388
Leishmania tropica major, evaluation of criteria for determining strain virulence in vitro, ability to form fibrinolysin is only reliable indicator

Strains, Parasite
Shcheulov, A. P., 1974, Parazitologiia, Leningrad, v. 8 (6), 553-562
Toxoplasma gondii, rabbits immunized with high vs. low virulence strain, immunodiffusion and complement fixation tests, serum protein fractions

Strains, Parasite
Shirley, M. W., 1978, Ztschr. Parasitenk., v. 57 (1), 83-87
Eimeria mivati and E. mivati var. diminuta strains differing in sensitivity to sulphaquinoxaline and electrophoretic mobility of lactate dehydrogenase crossed; electrophoretic variation of enzymes a further marker for genetic studies

Strains, Parasite
Siddiqi, M. N.; and Meerovitch, E., 1976, Pakistan J. Zool., v. 8 (2), 183-189
Trichinella spiralis, 6 strains, relative infectivity to albino rats, variable infectivity appears to be due to strain differences in transmission cycles and to natural host resistance

Strains, Parasite
Siddiqi, M. N.; and Meerovitch, E., 1976, Pakistan J. Zool., v. 8 (2), 191-197
Trichinella spiralis, 6 strains, relative infectivity in mice, guinea pigs, and 2 strains of rats (albino Wistar and hooded), role of host resistance

Strains, Parasite
Siddiqi, M. N.; and Meerovitch, E., 1977, Pakistan J. Zool., v. 9 (1), 47-50
Trichinella spiralis, stability of 4 strains, no significant increase in infectivity after 5-8 serial passages through rats although individual variations from one passage to another were observed

Strains, Parasite
Siddiqi, M. N.; and Meerovitch, E., 1977, Pakistan J. Zool., v. 9 (1), 51-57
Trichinella spiralis, 3 newly isolated strains compared with classical strain during intestinal phase of infection in rats (moulting pattern, % recovery of adult worms, their size and sex ratio), significantly smaller size of worms in 3 new strains, inhibition of development expressed by host resistance as one of several possible causes

Strains, Parasite
Simpson, L., 1978, J. Parasitol., v. 64 (2), 360
Trypanosoma brucei, glucose-sensitive culture strain

Strains, Parasite
de Siqueira, A. F.; Ribeiro, R. D.; and Fernandes, L. A. R., 1973, Rev. Inst. Med. Trop. S. Paulo, v. 15 (2), 76-80
Trypanosoma cruzi, antigenic variation in strain isolated from the opossum (Didelphis azarae) as compared with strains from man and a wild dog (Cerdocyon thous azarae)

Strains, Parasite
Stewart, N. P., 1978, J. Protozool., v. 25 (4), 497-501
Babesia bovis, vaccine (NT) strain, unmodified (T) strain, differential infectivity for Boophilus microplus, differences observed in parasite structure in gut contents following ingestion by tick, NT strain was incapable of penetrating epithelial cells of tick gut

Strains, Parasite
Thompson, R. C. A., 1978, Vet. Parasitol., v. 4 (2), 121-125
Echinococcus granulosus, horse and sheep strains in Great Britain, aspects of speciation, value of considering epidemiological, developmental, and biochemical criteria, review of recent work

Strains, Parasite
Tompel, Kh. Ia.; and Teras, Iu. Kh., 1978, Veterinariia, Moskva (9), 96-98
Tritrichomonas foetus, strain differences in antigenic properties tested in rabbits

Strains, Parasite
Urdaneta-Morales, S.; and Rueda, I. G., 1977, Rev. Inst. Med. Trop. S. Paulo, v. 19 (4), 241-250
Trypanosoma cruzi, Venezuelan strain vs. Brazilian strain, factors influencing adaptation, development, and multiplication in local race of Rhodnius prolixus vectors (laboratory strain originally from state of Guarico, Venezuela)

Strains, Parasite
Van Meirvenne, N.; Magnus, E.; and Vervoort, T., 1977, Ann. Soc. Belge Med. Trop., v. 57 (4-5), 409-423
trypanosome strains of subgenus Trypanozoon, comparison of variable antigenic types

Strains, Parasite
Voge, M.; Price, Z.; and Jansma, W. B., 1978, J. Parasitol., v. 64 (2), 368-372
Schistosoma japonicum adults, surface structure, no obvious differences among several geographic strains

Strains, Parasite
Werner, H.; et al., 1977, Tropenmed. u. Parasitol., v. 28 (4), 528-532
Toxoplasma gondii, latent infected mice, substantial reduction in brain cysts obtained by administration of hyperimmune serum, pyrimethamine, and SDDS in various combinations; effectiveness of therapy varied with parasite strain

Strains, Parasite
Wery, M.; et al., 1977, Ann. Soc. Belge Med. Trop., v. 57 (4-5), 425-439
Trypanosoma brucei gambiense strains from Zaire, comparative infectivity in various laboratory animals

Strains, Parasite
Willaert, E.; et al., 1974, Ann. Soc. Belge Med. Trop., v. 54 (4-5), 333-342
Naegleria fowleri, variants in Australian strains, immunoelectrophoretic analysis shows them to have antigenic identity with human stains causing meningoencephalitis in other parts of world

Strains, Parasite
Wright, C. A.; Southgate, V. R.; and Ross, G. C., 1979, Internat. J. Parasitol., v. 9 (6), 523-528
Schistosoma intercalatum, Lower Guinea vs. Zaire strains, enzyme analysis by isoelectric focusing

Strains, Parasite
Zaraza O., H.; and Parra G., D., 1977, Rev. Inst. Colomb. Agropec, v. 14 (4), 457-471
Anaplasma marginale, calves, pathogenesis of a virulent vs. non-virulent Columbian strain, possible application for immunization

Strains, Parasite
Zwart, D., 1979, Vet. Sc. Comm., v. 3 (3), 187-206
T[rypanosoma] vivax, 3 mouse-infective strains, review: parasitology (history, morphology, surface coat, tsetse transmission, infectivity and virulence for rodents), clinical and pathological observations in ruminants (virulence, anaemia, free serum amino acids, bradykinin, serotonin), vascular leakage, thrombus formation, fever, myocarditis, drug susceptibility

Stress
Ajao, O. G., 1978, J. Trop. Med. and Hyg., v. 81 (8), 153-155
malaria, overt attacks in humans as cause of post-operative fever, depressed acquired immunity resulting from stress of surgery, recommends routine administration of chloroquine prior to surgical procedures: Nigeria

Stress
Byram, J. E.; and Byram, K. W., 1976, Rice Univ. Studies, v. 62 (4), 43-67
Moniliformis dubius, larval morphogenesis in Periplaneta americana, effect of temperature, season, photoperiod, and elevated temperature stress, morphological anomalies

Stress
Esch, G. W.; Gibbons, J. W.; and Bourque, J. E., 1979, J. Parasitol., v. 65 (4), 633-638
enteric helminths in Chrysemys s. scripta from variety of habitats, species diversity and mean number of parasite species per host, relationship of various life history strategies of helminth parasites and predictability (or stability) of local environmental conditions: Savannah River Plant, near Aiken, South Carolina

Stress
Freidman, S. B.; Ader, R.; and Grota, L. J., 1973, Psychosomat. Med., v. 35 (6), 535-537
Plasmodium berghei, comparison of infected mice subjected to electric shock stimulation and infected controls showed that mice subjected to stress were more resistant to infection than were controls

Stress
Hall, R. D.; Gross, W. B.; and Turner, E. C., jr., 1979, Vet. Parasitol., v. 5 (2-3), 287-297
Ornithonyssus sylviarum, roosters (exper.), increased host resistance in response to high levels of social interaction or dietary administration of steroids

Stress
Kechik, I. T.; and Sykes, A. H., 1979, Brit. J. Nutrition, v. 42 (1), 97-103
Eimeria acervulina, chicks (exper.), stress of intestinal infection results in depletion of ascorbic acid in blood plasma and tissues, addition of dietary ascorbic acid prevents depletion

Stress
Kolzow, R. G.; and Nollen, P. M., [1979], J. Parasitol., v. 64 (6), 1978, 994-997
Schistosoma japonicum, development and movement of reproductive cells, effects of stressful conditions (in vitro culture; intraperitoneal maintenance in hamsters; unisexual transplants into hepatic portal system of hamsters)

Stress
Novak, M., 1978, Experientia, v. 34 (9), 1149
Taenia crassiceps, heat- and cold-stressed mice harbored significantly less cysticerci than controls, effect more pronounced in heat-stressed than in cold-stressed animals and more in males than in females, results show that environmental temperature affects growth of cysticerci in mice

Stress
  Parre, J.; and Simovart, H. E., 1977, Eesti Pollumaj. Akad. Teadusl. Toode Kogum. (104), 114-118
    histomoniasis, turkeys, age and seasonal dynamics in relation to epizootiology; disease outbreaks in young birds under stress conditions; nitazol satisfactory, trichopol good prophylactic and therapeutic effect

Stress
  Quarles, C. L.; and Fagerberg, D. J., 1979, Poultry Science, v. 58 (2), 465-468
    Eimeria acervulina, chicks (exper.), ammonia stress, mortality and growth performance

Stress
  Seed, J. R.; et al., 1978, Am. Midland Naturalist, v. 100 (1), 126-134
    Trypanosoma brucei gambiense-infected wild and laboratory Microtus montanus males, organ weights, parasite stress as cause of enlarged spleens and smaller gonads, splenomegaly can be used as survey marker to determine extent of parasitism in field populations, reduced reproductive potential suggests that parasitism plays role in limiting host population density: Jackson Hole, Wyoming

Stress
  Sharma, O. P.; et al., 1979, Indian J. Med. Research, v. 69, 251-254
    Plasmodium berghei, mice, effect of starvation, infection, and interactions between the two on lipid peroxide and protein levels of liver and spleen

Stress
  Sogandares-Bernal, F.; Hietala, H. J.; and Gunst, R. F., 1979, J. Parasitol., v. 65 (4), 616-623
    Ornithodiplostomum ptychocheilus infection not found to affect stamina of Richardsonius balteatus, evolutionary implications; multivariate contingency table analysis of data

Sugars. See Carbohydrates.

Superinfection
  Kassim, O. O.; and Richards, C. S., 1979, Internat. J. Parasitol., v. 9 (6), 565-570
    Schistosoma mansoni, host reactions to miracidia in 2 strains of Biomphalaria glabrata, involving variations in parasite strains and in numbers and sequences of exposures

Superinfection
  Oikawa, H.; and Kawaguchi, H., 1976, Kiseichugaku Zasshi (Japan. J. Parasitol.), v. 25 (3), 141-147
    Eimeria praecox, E. mitis, chickens, single, repeated or successive infection, effect on manifestation of symptoms and oocyst production

Superparasitism. See Hyperparasitism; Mixed infections.

Surfaces, Parasite. See Parasite surfaces.

Surgery
  Aarons, B. J., 1979, Austral. Vet. J., v. 55 (3), 146-148
    hydatidosis, human, modern surgical treatment, review

Surgery
  Allamand M., J.; and Lemus B., J., 1977, Rev. Med. Chile, v. 105 (7), 439-442
    human pulmonary echinococcosis, surgical management of 450 cases, cyst localization, age and sex distribution of patients, surgical complications, criteria for surgical methods employed

Surgery
  de Almeida, A. A.; and de Oliveira, J. E. B., 1971, Rev. Inst. Med. Trop. S. Paulo, v. 13 (1), 1-8
    human ocular cysticercosis, pathology, possible complications, currently used surgical procedures and new technique described: Brazil

Surgery
  Andrade, J. C. S.; et al., 1976, Rev. Brasil. Med., v. 33, special no., 129-135
    Chagas disease, human, tachycardia and aneurysms, case reports, medical and surgical management

Surgery
  Aroney, M.; and Souvlis, L., 1979, Austral. Vet. J., v. 55 (3), 149
    human hepatic hydatid disease, current alternate surgical management with emphasis on omentoplasty

Surgery
  Aslamazov, E. G., 1979, Urol. i Nefrol. (4), 23-29
    filariasis, human urogenital infections, surgical management, case report

Surgery
  Barreto, J. C. de C., 1979, Brit. J. Anaesth., v. 51 (12), 1189 [Letter]
    patients with Chagas cardiomyopathy and Stokes-Adams syndrome with total atrioventricular block, modifications of anaesthesia technique for surgical implantation of epicardial pacemakers

Surgery
  Becker, J. H. R., 1979, South African J. Surg., v. 17 (1), 43-45
    Echinococcus, human, surgical evacuation of hepatic cyst using a cryogenic cone, sterilization of cavity with silver nitrate, prevents spillage of cyst fluid and possible anaphylactic shock

Surgery
  Berri, R.; et al., 1974, Rev. Argent. Cirug., v. 26 (4), 66-69
    human hepatic echinococcosis, statistical data of surgical cases and their management, recent improvements in surgical care: La Plata, Argentina

Surgery
  Bianca, T.; et al., 1977, Studi Sassaresi, Sez. II, Med., v. 55 (5-6), 515-538
    echinococcosis, human kidney, extensive clinical review, diagnosis, pathology, therapy, surgical management, case report

Surgery
  Boragina, R. C.; Procupet, L.; and Coyego, M. O., 1977, Semana Med. (4974), an. 84, v. 150 (1), 2-4
    echinococcosis, human pulmonary cysts, surgical therapy using Mabit procedure: Argentina

Surgery
  Burlui, D.; et al., 1974, Rev. Chir. (Chirurgia), Bucuresti, v. 23 (8), 669-676
    human hepatic hydatid cysts with complicating obstructive jaundice, case reviews of successful therapeutic surgical intervention

Surgery
Byon, J. S., 1975, Taehan Uihak Hyophoe Chi (J. Korean Med. Ass.), v. 18 (7), 348-351
Ascaris, human, removal of worms from bile duct using a duodenofiberscope, 3 case reports

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Philophthalmus spp., longevity and hatchability of miracidia, effects of salinity, pH, and temperature

Survival and viability
Nwosu, A. B. C., 1978, Bull. Animal Health and Prod. Africa, v. 26 (1), 49-53
Ancylostoma tubaeforme, eggs and third-stage larvae, survival of desiccation under defined relative humidities at high temperatures in the laboratory

Survival and viability
Nwosu, A. B. C., 1979, J. Helminth., v. 53 (3), 223-228
Ancylostoma tubaeforme, 3rd stage infective larvae, relationship between neutral lipid depletion and longevity/survival, effect of various environmental stresses (temperature, pH, anaerobiosis)

Survival and viability
Oakley, G. A., 1979, Vet. Rec., v. 104 (23), 530-531
Dictyocaulus viviparus, overwintering of larvae on pasture and survival until midsummer without passage through grazing cattle, experimental trials

Survival and viability
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Haemonchus contortus, factors influencing development and survival of larvae on pasture; rainfall appeared to be the most important: Ibadan, Western Nigeria

Survival and viability
Patrick, C. D.; and Hair, J. A., 1979, Ann. Entom. Soc. Am., v. 72 (2), 308-312
Amblyomma americanum, oviposition behavior and larval longevity in 4 different habitats, preoviposition time and egg incubation temperature dependent

Survival and viability
Payne, R. C.; and Purnell, R. E., 1975, Bull. Animal Health and Prod. Africa, v. 23 (3), 297-301
Rhipicephalus appendiculatus, survival in relation to induced activity (stimulation by breathing on ticks or by warming them to to 37°C) at varying intervals

Survival and viability
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nematode eggs, effects of composting on viability of eggs recovered from compost material and soil beneath after 12-month period, recommended that kennel waste be subjected to slow combustion burning before disposal

Survival and viability
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Anaplasma marginale, inability to survive natural winter conditions on Dermacentor andersoni-infested pastures in absence of infected cattle, results suggest that anaplasmosis can be eliminated in selected herds: Oregon

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Romanomermis sp., tolerance of preparasitic nemas and adults to different pH and salinity, laboratory and field trials, limited utility as biological agent in polluted water

Survival and viability
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Uncinaria stenocephala, dogs (exper.), worm population and topographical distribution in host intestine, prepatent and patent period, rhythm of daily worm-egg counts; egg and larval survival at low temperatures; natural infections in foxes and experimental cross-infections between dogs and foxes, epidemiological implications: Netherlands

Survival and viability
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Psoroptes cuniculi populations from domestic rabbits, 2 strains, differences in body size and survival time in vitro of all developmental stages

Survival and viability
Riccetti, R. V.; Panetta, J. C.; and Barbuto, O. J. M., 1977, Rev. Fac. Med. Vet. e Zootec. Univ. S. Paulo, v. 14 (1), 113-122
Cysticercus cellulosae in swine meat fragments, effect of refrigeration temperature and salt on viability

Survival and viability
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new technique for studying survival of helminth eggs in soil

Survival and viability
Sato, Y.; et al., 1979, Nippon Zyuisi-Kai Zassi (J. Japan Vet. Med. Ass.), v. 32 (3), 145-148
Fasciola, survival of metacercariae encysted on rice straws and polyethylene sheets in field, infectivity to mice measured monthly: Sendai, northern Japan

Survival and viability
Semtner, P. J.; and Hair, J. A., 1976, J. Med. Entom., v. 13 (2), 216-217
Amblyomma americanum adults, molting time, overwintering survival, and longevity in selected woodlots: Cherokee Co., Oklahoma

Survival and viability
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Heterakis gallinarum, Ganguleterakis spumosa, sensitivity of eggs to Roentgen rays

Survival and viability
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Ascaris suum eggs, viability for 12 months in non-aerated manure collection pits, hazards related to recycling

Survival and viability
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Columbicola columbae, survival at low temperatures

Survival and viability
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Amidostomum anseris, development and viability of eggs and larvae during winter and early spring under field conditions: central Poland

Survival and viability
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3 spp. of fish cestodes, glycogen content of parasites and host tissues, seasonal changes in glycogen content of parasites; effect of experimental exposure to various temperatures on parasite glycogen content, motor activity, and duration of life; effect of starvation on glycogen content of parasite and host in aquariums at various temperatures

Survival and viability
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cercariae of 3 marine species vs. a freshwater species, life span and behavior in relation to changes in salinity: Atlantic tidal region in Brittany, region of Le Tour du Parc, France; artificial reservoir in Forest of Paimpont near Rennes, France

Survival and viability
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Trichomonas spp. of rodents, resistance to high and low temperatures

Survival and viability
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Trichomonas vaginalis, survival in local thermal waters compared with survival in other media: Sarvar

Survival and viability
Tarczynski, S.; and Szepelski, L., 1970, Acta Parasitol. Polon., v. 18 (42-50), 513-519
Fasciola hepatica metacercariae, longevity and infectivity in hay, effect of different methods of hay drying used in Poland, concluded that hay may contain infective metacercariae in spite of adequate drying methods, only proper ensilage of green roughage makes it safe from infective forms of liver fluke

Survival and viability
Timchenko, A. D., 1972, Parazitologiia, Leningrad, v. 6 (6), 509-512
Eimeria spp., survival of non-sporulated and sporulated oocysts on soil surface and at various depths under conditions prevailing in southern Ukraine during winter to spring period, implications for prophylaxis and control of coccidiosis

Survival and viability
Tongson, M. S.; and Trovela, V., [1977], Philippine J. Vet. Med., v. 15 (1-2), 1976, 55-63
longevity of strongyle larvae in cattle dung pats on pasture, larvae persisted longer in pats deposited during dry vs. rainy season

Survival and viability
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Rhipicephalus appendiculatus, temperature, humidity, and vegetation, effects on development and survival

Survival and viability
Valenzuela, G., 1979, Bol. Chileno Parasitol., v. 34 (1-2), 31-35
Fasciola hepatica eggs from bile of infected bovines, viability and survival as affected by in vitro development in outdoor temperatures: Valdivia, Chile

Survival and viability
Waller, T., 1979, Lab. Animals, v. 13 (3), 227-230
Encephalitozoon cuniculi, survival of spores after exposure to various temperatures and disinfectants; growth-inhibition effect of drugs in cell cultures

Survival and viability
Wharton, D. A., 1979, Exper. Parasitol., v. 48 (3), 398-406
Ascaris lumbricoides, eggs, effect of humidity on embryonic development, rate of water loss during desiccation, effect of temperature on water loss

Survival and viability
Yamaura, H., 1976, Kiseichugaku Zasshi (Japan. J. Parasitol.), v. 25 (2), 80-86
Toxoplasma oocysts, No. 1 and Fukaya strains, effects of low temperature and dryness on viability

Survival and viability
Zurliiski, P., 1978, Vet. Med. Nauki, v. 15 (7), 107-116
Nematodirus spathiger eggs and larvae in water, dry, and in feces, effects of freezing or high temperatures

Sweden
Arhammar, G.; Tjernstrom, K.; and Esrek, E., 1971, Scand. J. Infect. Dis., v. 3 (1), 59-63
survey of intestinal parasites and other infectious diseases of young male immigrants from Turkey who now reside and work in Stockholm, Sweden
(Entamoeba coli; Endolimax nana; Trichuris trichiura; Ascaris lumbricoides; Entamoeba histolytica; Iodamoeba butschlii; Entamoeba hartmanni; Taenia; Hymenolepis nana; Giardia lamblia; Chilomastix mesnili)

Swimmer's itch. See Dermatitis, Trematoda.

Switzerland
Indermuehle, N. A., 1978, Schweiz. Arch. Tierh., v. 120 (10), 513-525
endoparasites, pigs, origin and age of host, mixed infections, parasitological and histopathological findings: Switzerland
(Ascaris suum; Trichuris suis; Oesophagostomum spp.; Strongyloides ransomi; Eimeria debliecki; E. scabra; E. polita; E. perminuta; E. spinosa; Isospora suis; Balantidium coli)

Switzerland
Pfister, K., 1979, Schweiz. Arch. Tierh., v. 121 (3), 127-136
endoparasites, sheep, coprological analysis: Canton of Berne, Switzerland
(Magen-Darm-Strongyliden; Marshallagia marshalli; Nematodirus spp.; Strongyloides papillosus; Trichuris ovis; Skrjabinema ovis; Capillaria bovis; Ascaris lumbricoides; Moniezia benedeni; M. expansa; Dicrocoelium lanceolatum; Fasciola hepatica; Muellerius capillaris; Protostrongylus rufescens; Neostrongylus linearis; Cystocaulus ocreatus; Dictyocaulus filaria; Kokzidien; Eimeria arloingi; E. nina-kohlyakimovae; E. faurei; E. parva; E. intricata; E. ahsata/granulosa)

Switzerland
  Sauerlaender, R., 1978, Schweiz. Arch. Tierh., v. 120 (6), 301-308
    lungworms, sheep: Switzerland (Dictyocaulus filaria; Protostrongylus rufescens; Muellerius capillaris; Cystocaulus ocreatus; Neostrongylus linearis)

Symbiosis
  da Cunha, A. B.; and Jurand, A., 1978, Arch. Protistenk., v. 120 (3), 233-254
    Schneideria schneiderae in Trichosia pubescens (exper.), entry into and development in cells of intestinal caecum, host cell-symbiont interrelations, metabolic exchanges, symbiotic bacteria in cytoplasm of Schneideria, ultrastructural study

Symbiosis
  Lom, J., 1971, Folia Parasitol., v. 18 (3), 197-205
    Trichophrya piscium, fine structure in relation to fish host, feeding, attachment, ultrastructural evidence is in favour of ectocommensal nature of this protozoon

Syria
  El-Moukdad, A. R., 1977, Ztschr. Parasitenk., v. 53 (3), 273-280
    helminths of lambs: abattoir of Hama, Syria (Nematodirus oiratianus; Moniezia benedeni; Neostrongylus linearis; Marshallagia marshalli; Ostertagia circumcincta; O. trifurcata; Haemonchus contortus; Trichostrongylus axei; Camelostrongylus mentulatus; Trichostrongylus vitrinus; T. colubriformis; T. capricola; Nematodirus filicollis; N. spathiger; Moniezia expansa; Avitellina centripunctata; Thysaniezia giardi; Trichuris ovis; T. globulosa; T. skrjabini; T. gazellae; Cysticercus tenuicollis; Dictyocaulus filaria; Protostrongylus rufescens; Cystocaulus ocreatus; Muellerius capillaris; Echinococcus sp.)

Systematics. See Taxonomy.

Tagging. [See also Radioisotopes]

Tagging
Beverley-Burton, M., 1978, Environment. Biol. Fish., v. 3 (4), 369-377
Anisakis simplex in Salmo salar, parasite population genetics (acid phosphatase phenotypes), use as biological indicators of host stocks: Atlantic Ocean

Tagging
Beverley-Burton, M.; and Pippy, J. H. C., 1977, Environment. Biol. Fish., v. 2 (3), 309-314
Anisakis simplex larvae in Salmo salar and Clupea harengus harengus, morphometric variations including influence of host sex and age, geographic variations, and worm population composition, use of morphometrics for biological tagging: North Atlantic

Tagging
Beverley-Burton, M.; and Pippy, J. H. C., 1978, Environment. Biol. Fish., v. 3 (2), 211-222
Anisakis simplex in Salmo salar, sites of infection, prevalence, variation in mean numbers of larvae per fish in relation to host's sex, age, geographic locality, and year and season of capture; mean numbers as biological indicator of host stock composition: 14 sampling stations, North Atlantic

Tagging
Breese, S. S., jr.; and Hsu, K. C., 1973, Immunol. Series, v. 2, 141-167
immuno-electron microscopic applications of ferritin-tagging, review with brief mention of Plasmodium berghei and Trypanosoma brucei

Tagging
Bull, C. M., 1978, Austral. J. Zool., v. 26 (4), 689-697
Aponomma hydrosauri, dispersal distance measured by host movement, tests with paint-marked and radio-marked Trachydosaurus rugosus: near Tickera, Yorke Peninsula, South Australia

Tagging
Coppedge, J. R.; et al., 1979, J. Econom. Entom., v. 72 (1), 40-42
Cochliomyia hominivorax, fluorescein sodium as dye for internally marking adults feeding on Screwworm Adult Suppression System units, excellent technique for evaluating relative effectiveness of various insecticides

Tagging
Eddy, S. B.; and Lankester, M. W., 1978, J. Fish. Research Bd. Canada, v. 35 (11), 1488-1491
Cystidicola cristivomeri, presence in Salvelinus alpinus (swim bladder) as indicator of char feeding habits and as possible means of demonstrating that some char remain in lake for extended periods rather than migrating regularly to sea: Stanwell-Fletcher Lake, Somerset Island, N.W.T.

Tagging
Holmes, P. H.; et al., 1979, Immunology, v. 36 (3), 415-420
Trypanosoma brucei, method of labelling with [^{75}Se]-methionine, suitability for in vivo studies of immunological clearance, liver found to be principal site of phagocytosis in immune mice; method equally applicable to T. congolense

Tagging
van der Kaay, H. J.; Noordink, J. P. W.; and Boorsma, L., 1977, Acta Leidensia, v. 45, 7-12
Plasmodium berghei, methods for obtaining radioactive labelled parasites during sporogony in Anopheles atroparvus (exper.), technique for study of relapse phenomena

Tagging
Kassim, O. O.; and Richards, C. S., 1979, J. Invert. Path., v. 33 (3), 385-386
Schistosoma mansoni, radioisotope labeling for differentiating between strains in individual Biomphalaria glabrata snails

Tagging
Kennedy, C. R., 1978, J. Fish Biol., v. 12 (5), 393-410
Eubothrium spp., fishes, specificity, distribution, and habitat, life cycle, use as biological tags, review

Tagging
Kennedy, C. R., 1979, J. Fish. Biol., v. 15 (2), 223-236
Eubothrium parvum in Mallotus villosus, distribution, incidence, intensity, seasonal changes in size and maturity, dispersion throughout its host populations (in relation to host age and size; frequency distributions), possible use as biological tag: Barents Sea; Balsfjord, close to Lyngen Fjord, North Norway

Tagging
Lur'e, A. A.; Naumov, R. L.; and Arumova, E. A., 1971, Parazitologiia, Leningrad, v. 5 (3), 281-288
Ixodes persulcatus, radioisotope tagging, comparison of two techniques

Tagging
Makhovenko, E. T., 1972, Parazitologiia, Leningrad, v. 6 (4), 369-375
Salvelinus alpinus inhabiting different ecological niches, possible use of differences in parasite fauna between groups as biological tags: Lake Azabach'e, Kamchatka

Tagging
Ørnbjerg Christensen, N., 1977, Ztschr. Parasitenk., v. 54 (3), 275-288
Schistosoma mansoni, S. intercalatum, cercariae, technique for in vivo labelling with radioselenium, possible applications in cercarial ecology studies

Tagging
Pippy, J. H. C., 1969, J. Fish. Research Bd. Canada, v. 26 (4), 909-919
Pomphorhynchus laevis in Salmo salar, site and abundance in intestine, pathology, geographic distribution, distribution of intermediate hosts, possible use as biological tag

Tagging
Ragan, J. G.; and Corkern, C. C., 1978, Prof. Papers Ser. (Biol.), Nicholls State Univ. (1), 10 pp.
Prochristianella penaei in Penaeus aztecus, incidence and intensity, sex, weight, and length of host, potential 'living tag' for defining stocks: West Bay, Galveston, Texas

Tagging
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trematode parasites of Argentina silus, incidence and intensity in different host length groups, as indicators of change in host feeding habits, not suitable as biological tags to distinguish host populations; Lecithophyllum botryophorum, parasite length/frequency distribution in different host length groups, seasonal variation, parasite life span and growth: western Atlantic

Tagging
Smith, J. W.; and Wootten, R., 1978, Advances Parasitol., v. 16, 93-163
Anisakis and anisakiasis, review: classification; taxonomy and adult morphology; life history, general development, and larval morphology; geographical and host distribution; in vitro culture; physiology and biochemistry; pathology; aspects of disease in man; immunology and immunodiagnosis; prevention of accidental infection; use as biological tag for fish

Tagging
Sonenshine, D. E.; et al., 1976, J. Med. Entom., v. 12 (6), 651-656
Dermacentor andersoni, population dynamics and host utilization of immature stages, abundance measured by release and recapture of radioisotope-tagged ticks: western Montana

Tagging
Wilson, P. A. G., 1979, Parasitology, v. 79 (1), 29-38
Strongyloides ratti, tracking radioactive larvae in virgin female rats, nursing mothers, and suckling pups

Taiwan
Chang, K. C.; Sun, Y. L.; and Chiu, J. K., 1973, Taiwan i Hsueh Hui Tsa Chih (J. Formosan Med. Ass.), v. 72 (5), 297-303
intestinal parasites, aborigines, fecal survey in remote mountain area of Chien-Shih District, Hsinchu County, northern Taiwan
(Ascaris lumbricoides; Trichuris trichiura; Taenia sp.; hookworm; Hymenolepis diminuta; Echinostoma sp.; Entamoeba coli; Giardia lamblia; Entamoeba histolytica; Endolimax nana; Iodamoeba butschlii; Balantidium coli; Chilomastix mesnili)

Taiwan
Chou, C. H.; and Huang, W. H., 1970, Taiwan i Hsueh Hui Tsa Chih (J. Formosan Med. Ass.), v. 69 (9), 484-488
helminthic infections, survey of school children: Hsi-Hu district of Miao-Li Prefecture, Taiwan
(Ascaris lumbricoides; hookworm; Trichuris trichiura; Paragonimus westermani; E. vermicularis)

Taiwan
Chou, C. H.; and Kao, C. T., 1972, Taiwan i Hsueh Hui Tsa Chih (J. Formosan Med. Ass.), v. 71 (8), 525-529
Paragonimus and intestinal helminths of primary school children, survey: San-Wan District of Miaoli County, Taiwan
(Paragonimus westermani; Ascaris lumbricoides; hookworm; Trichuris trichiura; Enterobius vermicularis; Meloidogyne sp.)

Taiwan
Chung, P. R.; and Cross, J. H., 1975, Taiwan i Hsueh Hui Tsa Chih (J. Formosan Med. Ass.), v. 74 (6), 411-418
intestinal parasites, prevalence in children: Kuei Shan Tao, Taiwan
(Trichomonas hominis; Enterobius vermicularis; Entamoeba histolytica; E. hartmanni; E. coli; Endolimax nana; Dientamoeba fragilis; Iodamoeba buetschlii; Giardia lamblia; Isospora sp.; Ascaris lumbricoides; Trichuris trichiura; hookworm; Hymenolepis nana; Didymozoon-like eggs)

Taiwan
Durfee, P. T.; and Cross, J. H., 1972, Taiwan i Hsueh Hui Tsa Chih (J. Formosan Med. Ass.), v. 71 (8), 509-524
catalogue of zoonoses of Taiwan, ready reference for physicians, veterinarians, and public health workers

Taiwan
Durfee, P. T.; and Tsai, C. S., 1972, Taiwan i Hsueh Hui Tsa Chih (J. Formosan Med. Ass.), v. 71 (12), 724-726
intestinal parasites, prevalence survey of selected aborigines living in Santimen, Pingtung Hsien, Taiwan
(Ascaris lumbricoides; Trichuris trichiura; Entamoeba histolytica; E. coli; E. hartmanni; Endolimax nana; Giardia lamblia; Chilomastix mesnili; Echinostoma ova)

Taiwan
Huang, R. J.; et al., 1977, J. Chinese Soc. Vet. Sc., v. 3 (1), 31-36
survey of clonorchiasis and other parasites, pigs (feces), direct smear and precipitation technique used: Sun Moon Lake area, Taiwan
(Clonorchis sinensis; Metagonimus yokogawai; Ascaris lumbricoides; Strongyloides ransomi; Trichuris suis; Oesophagostomum dentatum; Ascarops spp.; Metastrongylus apri; Balantidium coli; Coccidia)

Taiwan
Lee, Y. C.; and Liu, C. C., 1978, J. Chinese Soc. Vet. Sc., v. 4 (2), 81-87
distribution of chicken coccidia: eastern and northern regions of Taiwan
(Eimeria tenella; E. acervulina; E. brunetti; E. necatrix; E. maxima; E. mitis; E. praecox; E. mivati)

Taiwan
Wang, J. S., 1978, J. Chinese Soc. Vet. Sc., v. 4 (2), 95-102
endoparasites of swine: central Taiwan and Sun Moon Lake area
(Balantidium coli; Oesophagostomum dentatum; Strongyloides ransomi; Trichuris suis; Ascaris suum; Hymenolepis diminuta; Clonorchis sinensis; Metagonimus yokogawai; Metastrongylus apri; Eimeria sp.; Isospora sp.)

Taiwan
Wang, J. S., 1979, J. Chinese Soc. Vet. Sc., v. 5 (2), 115-123
endoparasites, dairy cattle: central Taiwan
(Haemonchus placei; Ostertagia ostertagi; Trichostrongylus axei; Cooperia punctata; Nematodirus helvetianus; Strongyloides papillosus; Capillaria bovis; Bunostomum phlebotomum; Ascaris suum; Trichuris spp.; Oesophagostomum radiatum; Fasciola spp.; Paramphistoma spp.; Eurytrema pancreaticum; Moniezia benedeni; Eimeria spp.; Buxtonella sulcata)

Taiwan
Yu, J. C.; and Chiu, J. K., 1976, Taiwan i Hsueh Hui Tsa Chih (J. Formosan Med. Ass.), v. 75 (11), 639-646
intestinal parasitic infections, survey, primary school children: Taipei, Taiwan (Trichuris trichiura; Ascaris lumbricoides; hookworm; Giardia lamblia; Clonorchis sinensis; Entamoeba coli; Endolimax nana; Enterobius vermicularis)

Taxis. [See also Attractants; Behavior; Host perception by parasites]

Taxis
Crum, G. E.; Knapp, F. W.; and White, G. M., 1974, J. Med. Entom., v. 11 (1), 88-94
Ctenocephalides felis and Xenopsylla cheopis, response to electromagnetic radiation of 300-700 nm (intensity, light versus dark, light comparison, and color vision tests), C. felis is photopositive, X. cheopis is photonegative

Taxis
Doenges, J., 1977, Ztschr. Parasitenk., v. 52 (3), 297-309
Cercaria ogunis n. sp., positive geotaxis and phototaxis, rapid swimming velocity, peculiar organ possibly a statocyst

Taxis
Haas, W.; and Schmitt, R., 1978, Naturwissensch., v. 65 (2), 110
Schistosoma mansoni cercariae, chemical stimuli for penetration of human skin

Taxis
Hafez, M.; Hilali, M.; and Fouda, M., 1979, Ztschr. Ang. Entom., v. 87 (3), 327-335
Hippobosca equina, ecological studies: host preference, seasonal abundance, adult habits, effect of host sex and colour on attraction of flies, mating behaviour, distribution on host body, sex ratio, breeding season: El-Aziziya village, El-Faiyum governate, Egypt

Taxis
Howell, F. G., 1975, J. Med. Entom., v. 11 (6), 715-723
Argas cooleyi unfed adults, behavioral changes induced by host odor, breath (CO_2), and body temperature in relation to host-finding activities and provoking a feeding response

Taxis
Huang, S. W.; et al., 1979, J. Chinese Soc. Vet. Sc., v. 5 (2), 79-85
Fasciola spp., cattle and water buffaloes, morphology, egg hatching time, phototaxis, and infectivity of miracidia to Limnea ollula (exper.), intra-species variation: Taipei abattoir, Taiwan

Taxis
Kulin, E. T.; et al., 1977, Izvest. Akad. Nauk SSSR, s. Biol. (3), 357-362
Hyalomma asiaticum, Cimex lectularis, locomotor responses under influence of electromagnetic fields of differing frequencies and intensities

Taxis
Mansour, T. E., 1979, Science (4405), v. 205, 462-469
helminths, regulation of motility, metabolism, chemotaxis, and egg formation in relation to development of new and more selective chemotherapeutic agents, review

Taxis
Mason, P. R.; and Fripp, P. J., 1977, Ztschr. Parasitenk., v. 53 (3), 287-295
Schistosoma mansoni miracidia, effect of sugars, fatty acids, amino acids, and snail excretion products on activity, some effects concentration dependent and pH dependent; possible role for chemo-klinokinetic behavior patterns in miracidial host location

Taxis
Pellegrino, J.; and Valle, C., 1974, Rev. Inst. Med. Trop. S. Paulo, v. 16 (4), 179-181
Schistosoma mansoni, mice infected by tail emersion, relationship between vertical distribution of cercariae and worm burden after exposure, infection is influenced by tendency of cercariae to concentrate near water surface (negative geotropism)

Taxis
Prah, S. K.; and James, C., 1978, J. Helminth., v. 52 (2), 115-120
Schistosoma mansoni miracidia are positively phototactic, sensitive to small changes in light intensities, and indifferent to gravity; S. haematobium miracidia are negatively phototactic, unable to distinguish low light intensities from darkness, and positively geotactic; both species could successfully find and infect snails to depth of 2 meters of water

Taxis
Rechav, Y.; et al., 1978, Nature, London (5678), v. 275, 310-311
Ixodes neitzi, attraction of adult ticks to twigs marked by Oreotragus oreotragus (klipspringer antelope), first report of tick species locating its mammalian host by detecting specific chemical compound(s) used by host as communicative marking signal thus increasing probability of survival in that particular habitat

Taxis
Roberts, T. M.; et al., 1978, J. Parasitol., v. 64 (2), 277-282
Schistosoma mansoni, quantitative assay for testing behavioral responses of miracidia to chemicals, used to screen chemicals for miraxone-like activity and to test for inhibitors of miracidial responses to stimulants

Taxis
Semenov, O. Iu., 1976, Vestnik Leningrad. Univ. (15), Biol. (3), 26-32
Philophthalmus rhionica, miracidium chemoreception system functions to differentiate specific host Melanopsis praemorsa from other snail species, not for searching, "inductor" substance(s) localized in snail mucus initiates recognition by miracidium

Taxis
Thomas, J. D.; and Assefa, B., 1979, Comp. Biochem. and Physiol., v. 63C (1), 99-108
Biomphalaria glabrata juveniles, behavioral responses to amino acids, possible practical application in control of snail hosts of schistosomiasis

Taxis
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Taxonomy. [See also Nomenclature]

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Technique, Centrifugation. See Centrifugation.

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Technique, Chromatography. See Chromatography.

Technique, Concentration of specimens. See Technique, Parasite collection and recovery; Tèchnique, Specimen preparation and preservation.

Technique, Counting. [See also **Technique, Egg-count; Technique, Statistical methods**]

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Technique, Egg-count
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Technique, Egg-count
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Technique, Egg-count
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Technique, Egg-count
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Technique, Egg-count
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Schistosoma haematobium, schoolchildren, minimal number of daily egg counts in urine necessary to establish intensity of infection for epidemiological and chemotherapeutic purposes: Coast Province, Kenya

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Technique, Egg-count
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Technique, Electron microscopic
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Technique, Electron microscopic
Eisenbrandt, D. L.; et al., 1978, Scan. Electron Micr., v. 2, 229-234
hydatid cyst prepared by cryofracturing and freeze drying, as well as non-fractured tissue prepared by critical point drying, scanning electron microscopy

Technique, Electron microscopic
Gorenflot, A.; et al., 1978, Ann. Pharm. Franc., v. 36 (5-6), 201-206
Plasmodium berghei, scanning electron microscopy, ionic etching of mouse erythrocytes using a cathodic evaporator permits visualization of parasitic penetration of erythrocyte membrane by invagination

Technique, Electron microscopic
McClure, M. A.; and Stowell, L. J., 1978, J. Nematol., v. 10 (4), 376-377
simple method of processing nematodes for electron microscopy

Technique, Electron microscopic
Roppel, R. M.; and McManus, W. R., 1978, Stain Tech., v. 53 (3), 179-181
Dirofilaria immitis microfilaria, heated centrifuge for orientation of electron microscope specimens for sectioning along specific axis

Technique, Electron microscopic
Soares, T. C. B.; and de Souza, W., 1977, Ztschr. Parasitenk., v. 53 (2), 149-154
Trypanosoma cruzi, Herpetomonas samuelpessoai, fixation with glutaraldehyde-tannic acid for electron microscopy; structural details

Technique, Electron microscopic
Takahashi, Y.; and Sherman, I. W., 1978, Exper. Parasitol., v. 44 (2), 145-154
Plasmodium lophurae, differentiation of parasite membrane, parasitophorous vacuole membrane, and duck erythrocyte membrane with cationized ferritin staining as an electron microscope cytochemical method

Technique, Electron microscopic
Vickerman, K.; and Tetley, L., 1977, Ann. Soc. Belge Med. Trop., v. 57 (4-5), 441-457
Trypanosoma brucei, T. cyclops, application of scanning electron microscopic techniques to study of trypanosome biology

Technique, Electrophoresis. See Electrophoresis.

Technique, Experimental hosts
Aitken, M. M.; et al., 1978, J. Comp. Path., v. 88 (4), 555-562
Fasciola hepatica, effects of flukes on response of rats to Salmonella dublin (lethal dose reduced; excretion of S. dublin enhanced and prolonged; infection persisted longer) were similar to those in cattle; similar effects not produced by Nippostrongylus brasiliensis

Technique, Experimental hosts
Al-Sammarrae, S. A. G.; and Sewell, M. M. H., 1978, Research Vet. Sc., v. 25 (2), 215-217
Dictyocaulus filaria, response of Suffolk lambs to escalating experimental infection, pattern of larval excretion in faeces and eosinophil counts approximated those seen in natural infection although exper. hosts were resistant to challenge infection

Technique, Experimental hosts
Amerault, T. E.; et al., 1978, Am. J. Vet. Research, v. 39 (4), 675-677
Anaplasma marginale-infected bovine erythrocytes, serologic and hematologic response of rabbits; rabbits not susceptible to A. marginale despite specific antibody production as measured by card and complement fixation tests, therefore can not be substituted for calf inoculation as a confirmatory test for anaplasmosis

Technique, Experimental hosts
Amyx, H. L.; et al., 1978, Am. J. Trop. Med. and Hyg., v. 27 (5), 888-891
Entamoeba histolytica, natural outbreak of amebic dysentery in colony of Ateles spider monkeys with severe hepatic abscesses in many, may provide valuable model host: primate colony, Patuxent Wildlife Research Center, Laurel, Maryland

Technique, Experimental hosts
Andrews, P.; and Meister, G., 1978, Ztschr. Parasitenk., v. 56 (3), 305-308
Fasciola hepatica, mice of various strains, considerable differences in susceptibility and mortality among strains, problem in chemotherapeutic studies, attempt to find strain susceptible to infection but refractory to damage

Technique, Experimental hosts
Arbuckle, J. B. R.; Chandler, R. L.; and Turfrey, B. A., 1978, Vet. Rec., v. 103 (3), 55-56
Thelazia spp., direct inoculation to eyes of cattle, failure to establish infection

Technique, Experimental hosts
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Plasmodium knowlesi infection in Macaca mulatta terminated by curative therapy and followed by P. cynomolgi infection greatly increases gametocyte infectivity of latter species

Technique, Experimental hosts
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Plasmodium vivax, consecutive mosquito transmission from Aotus trivirgatus to A. trivirgatus

Technique, Experimental hosts
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Babesia microti, rodent- and human-derived Long Island isolates in Mesocricetus auratus, course of infection, effect of splenectomy and inoculum size, pathogenesis

Technique, Experimental hosts
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Opisthorchis viverrini-infected Syrian golden hamsters, liver histopathology, immunopathologic mechanisms may be important in pathogenesis; hamster is suitable model host

Technique, Experimental hosts
Bhopale, M. K.; and Menon, S., 1979, Experientia, v. 35 (4), 463-464
Ancylostoma duodenale, establishment of patent infection in infant rabbits

Technique, Experimental hosts
Bjorvatn, B.; and Neva, F. A., 1979, Am. J. Trop. Med. and Hyg., v. 28 (3), 472-479
Leishmania tropica, newly isolated West African strain in several mouse strains, general course of infection, dose-response relationships, histopathology, specificity of lesions and evidence for dissemination of infection

Technique, Experimental hosts
Blair, L. S.; and Campbell, W. C., [1979], J. Parasitol., v. 64 (6), 1978, 1032-1034
Dirofilaria immitis, pre-cardiac stages in Mustela putorius furo, trials of avermectin B_1a, mebendazole, and melarsoprol, possible value of Dirofilaria-Mustela model for chemotherapeutic studies

Technique, Experimental hosts
Bonn, F. K., 1976, Prakt. Tierarzt, v. 57 (5), 286, 288-289
toxoplasmosis, small animals, description of techniques for drawing blood samples; serologic testing for antibodies

Technique, Experimental hosts
Borda, C. E.; Pellegrino, J.; and Meschessi, H. D., 1972, Rev. Inst. Med. Trop. S. Paulo, v. 14 (2), 91-96
Schistosoma mansoni, Cebus apella macrocephalus (exper.), fluctuations in numbers of eggs in feces, suitable experimental host

Technique, Experimental hosts
Brazil, R. P.; and Gilbert, B., 1976, Rev. Inst. Med. Trop. S. Paulo, v. 18 (2), 87-88
Leishmania b. braziliensis, hamsters (exper.), oxamniquine, basis for study of human Leishmania species

Technique, Experimental hosts
Bywater, J. E.; and Kellett, B. S., 1978, Infect. and Immun., v. 21 (2), 360-364
Encephalitozoon cuniculi, existence in specific-pathogen-free rabbit colony, small-sized samples failed to reveal presence of infection with low prevalence, organism probably present in original stock of unit, possibility of establishing Encephalitozoon-free colony by culling all positive reactors using India ink immunoreaction test, incidence (familial, sexual, and age-related) and possible routes of transmission

Technique, Experimental hosts
de Camargo, M. T.; and Krettli, A. U., 1978, J. Parasitol., v. 64 (5), 924-925
Plasmodium gallinaceum, Aedes fluviatilis as a new experimental host

Technique, Experimental hosts
Campbell, W. C.; and Blair, L. S., 1978, J. Parasitol., v. 64 (1), 119-122
Dirofilaria immitis, successful experimental establishment of patent infections in Mustela putorius furo

Technique, Experimental hosts
Campbell, W. C.; Blair, L. S.; and McCall, J. W., 1979, Exper. Parasitol., v. 47 (3), 327-332
Brugia pahangi, Dirofilaria immitis, Mustela putorius furo is highly susceptible to both species, concurrent infections with both species may readily be established

Technique, Experimental hosts
Carlson, J. R.; and Goulson, H. T., 1977, J. Elisha Mitchell Scient. Soc., v. 93 (3), 153-157
Strongyloides ratti, rats, standardized techniques developed for maintenance of laboratory infections, strong active acquired immunity demonstrated

Technique, Experimental hosts
de Carneri, I.; and Trane, F., 1976, Parassitologia, v. 18 (1-3), 13-18
Giardia muris, specific pathogen-free mice, experimental infection by oral administration of trophozoites, quantitative studies, model for drug screening

Technique, Experimental hosts
Chaia, G.; et al., 1975, Rev. Inst. Med. Trop. S. Paulo, v. 17 (5), 298-306
Dermatobia hominis, life cycle maintained under laboratory conditions, infection of rats for study of chemotherapeutics

Technique, Experimental hosts
Chaia, G.; et al., 1977, Rev. Inst. Med. Trop. S. Paulo, v. 19 (3), 195-201
Entamoeba histolytica, strain Eh 1 isolated from woman with acute infection, virulence in laboratory animals and utilization in drug screening in hamsters

Technique, Experimental hosts
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Pneumocystis carinii pneumonia in immunosuppressed rat, animal model of human disease

Technique, Experimental hosts
Chiari, L.; Guerrero, J.; and dos Santos, C. N., 1978, Ztschr. Parasitenk., v. 56 (2), 107-114
Entamoeba histolytica, experimental muscular infection in hamsters, pathology, metronidazole trial; useful biological model, particularly for chemotherapy studies

Technique, Experimental hosts
Chin, W.; Moss, D.; and Collins, W. E., 1979, Am. J. Trop. Med. and Hyg., v. 28 (3), 591-592
Plasmodium fragile, successful continuous cultivation with rhesus monkey red blood cells using the Trager-Jensen method, availability of this parasite-monkey model would allow in vitro and in vivo study of immunologic responses in a more natural host

Technique, Experimental hosts
Colli, C.; and Schantz, P. M., 1975, Rev. Inst. Med. Trop. S. Paulo, v. 17 (2), 59-68
Echinococcus granulosus, mice and Meriones unguiculatus, effect of egg dose, host age, and host sex on susceptibility to primary infection, increased resistance with increased age but no differences with sex

Technique, Experimental hosts
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Plasmodium fragile in Macaca mulatta as model system for study of malarial vaccines

Technique, Experimental hosts
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Plasmodium simiovale, infection and transmission studies with Macaca mulatta and Anopheles spp.

Technique, Experimental hosts
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Plasmodium knowlesi infections in Saimiri sciureus (exper.), may prove to be suitable host for vaccine studies

Technique, Experimental hosts
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Amblyomma variegatum, Boophilus annulatus, B. decoloratus, inoculation of pregnant female mice with tick-egg emulsion induces resistance to ixovotoxin in their new-born offspring, technique permits inoculation of tick eggs into new-born mice without abnormal mortality rates, potential use in virus isolation

Technique, Experimental hosts
Cross, J. H.; et al., 1979, Am. J. Trop. Med. and Hyg., v. 28 (1), 56-66
Wuchereria bancrofti, experimental transmission to Macaca spp., recovery of adult male and female worms, demonstration of patent infections

Technique, Experimental hosts
Derouin, F.; et al., 1978, Compt. Rend. Soc. Biol., Paris, v. 172 (2), 388-392
Trypanosoma gambiense, methods for mass preparation of crude antigen and exoantigen from Cricetomys gambianus (exper.)

Technique, Experimental hosts
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Echinococcus granulosus of equine origin, serial passages of larval stages in mice, infection with protoscolices

Technique, Experimental hosts
De Rycke, P. H.; and Pennoit-De Cooman, E., 1978, Ztschr. Parasitenk., v. 57 (3), 251-254
Echinococcus granulosus of equine origin, serial passages of larval stages in mice, infection with sterile daughter cysts

Technique, Experimental hosts
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Dirofilaria immitis-infected dogs with severe adverse reactions after diethylcarbamazine treatment, rapid and marked decrease in precipitating and reaginic antibodies, possible model for reactions in human filariasis

Technique, Experimental hosts
Dutta, G. P.; Singh, P. P.; and Banyal, H. S., 1978, Indian J. Med. Research, v. 68, 923-926
Plasmodium knowlesi in Macaca assamensis (exper.), possible alternate host for experimental studies

Technique, Experimental hosts
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Hirstionyssus utahensis, unusual population buildups on Spermophilus lateralis in the laboratory, extensive hair loss on one animal, emphasizes necessity for disinfecting and quarantining wild rodents before introducing them into the laboratory

Technique, Experimental hosts
Ehrlich, I.; Huber, D.; and Jercic, J., 1978, Vet. Glasnik, v. 32 (1), 53-57
Echinococcus granulosus in Cavia cobaya (exper.) (omentum), various infection routes, potential laboratory host for immunological studies

Technique, Experimental hosts
El-Abdin, A. Z.; and Roushdy, M. Z., 1977, Egypt. J. Bilharz., v. 4 (2), 165-178
Schistosoma haematobium, optimum conditions for life cycle maintenance in Bulinus snails and laboratory mammals; hamsters more susceptible to infection than gerbils or mice

Technique, Experimental hosts
Eling, W.; van Zon, A.; and Jerusalem, C., 1977, Ztschr. Parasitenk., v. 54 (1), 29-45
Plasmodium berghei in mice, 6 different host strains compared, course of infection, mortality patterns, parasitemia, pathological changes, host genetic variation, implications for laboratory model studies

Technique, Experimental hosts
Epel'dimov, L. S.; and Plotnikova, L. M., 1977, Sborn. Nauch. Rabot SibNIVI (28), 140-142
[Trichostrongylus], rabbits infected with sheep species as models for anthelmintic study, tests of nilverm, banminth-C, cupric carbonate

Technique, Experimental hosts
Ewert, A.; and Emerson, G. A., 1979, Am. J. Trop. Med. and Hyg., v. 28 (3), 496-499
Brugia malayi, fourth stage and adult parasites in cats, effect of diethylcarbamazine citrate, effective model to compare efficacy of drugs against adult lymphatic-dwelling filariae

Technique, Experimental hosts
Facer, C. A.; et al., 1978, Expèr. Parasitol., v. 44 (2), 249-261
Trypanosoma brucei, rabbits, renal pathology, glomerular changes result from deposition of soluble trypanosome immune complexes, tubular changes are typical of tissue ischemia, trypanosomiasis in rabbit could be valuable model

Technique, Experimental hosts
Fink, E.; and Schmidt, H., 1979, Tropenmed. u. Parasitol., v. 30 (2), 206-211
Trypanosoma brucei rhodesiense, EATRO 1989 strain in white mice induced chronic infection with meningoencephalitis similar to infection in humans, suitable model for studying human infection and screening drug compounds for activity during late stages of infections

Technique, Experimental hosts
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Fascioloides magna, susceptibility of selected nonruminant mammalian hosts

Technique, Experimental hosts
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schistosomes, rodents as laboratory hosts, review

Technique, Experimental hosts
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Anaplasma marginale, cattle, exper. infection using infected blood inoculation along with splenectomy and/or antimetabolite therapy; efficacy of various staining techniques

Technique, Experimental hosts
Grimaldi, G., filho, 1976, Rev. Inst. Pasteur Lyon, v. 9 (4), 291-298
Schistosoma mansoni, technique for laboratory rearing of Biomphalaria glabrata

Technique, Experimental hosts
Grove, D. I.; Davis, R. S.; and Warren, K. S., 1979, Parasitology, v. 79 (3), 303-316
Brugia malayi, microfilaraemia in mice as model for study of host response to microfilariae

Technique, Experimental hosts
Gutteridge, W. E.; Cover, B.; and Gaborak, M., 1978, Parasitology, v. 76 (2), 159-176
Trypanosoma cruzi, methods for isolation of blood and intracellular forms from rats and other rodents, preliminary studies on metabolism of these stages

Technique, Experimental hosts
Herman, S. M.; and Bacha, W. J., jr., 1978, J. Parasitol., v. 64 (5), 827-830
Himasthla quissetensis, successful infection of domestic chicks per cloaca using cercariae, growth, development, and site location (preference for ileum where worms grew and developed at rate comparable to those raised in gull, worms from bursa of Fabricius showed relatively little growth and exhibited gonadal atrophy in some cases)

Technique, Experimental hosts
Higby, G. C.; et al., 1979, Parasitology, v. 78 (2), 155-170
Nosema eurytremae derived from trematode larvae, propagation in abnormal (insect) hosts and in tissue culture

Technique, Experimental hosts
Holbrook, T. W., 1979, Tr. Roy. Soc. Trop. Med. and Hyg., v. 73 (4), 460-462
Naegleria fowleri, chick embryos are susceptible to infection and may represent useful host for experimental studies

Technique, Experimental hosts
Holbrook, T. W.; and Parker, B. W., 1979, Am. J. Trop. Med. and Hyg., v. 28 (6), 984-987
Naegleria fowleri incubated on chick embryos, effects of embryo age and temperature on maintenance, infectivity maintained after 25 serial passages

Technique, Experimental hosts
Irvin, A. D.; et al., 1977, Tropenmed. u. Parasitol., v. 28 (4), 507-512
Theileria parva, mice, piroplasm infection of erythrocytes following intraperitoneal inoculation with irradiated cultures of infected bovine lymphoid cells, infection could not be transmitted to cattle using Rhipicephalus appendiculatus

Technique, Experimental hosts
Irvin, A. D.; Young, E. R.; and Osborn, G. D., 1978, Research Vet. Sc., v. 25 (2), 245-246
Babesia divergens, B. major, attempt to infect mice (nu/nu, nu/+, nu/nu splenectomized, and Lasat), neither parasite became established, B. divergens persisted up to 10 days, B. major lasted only 1 day, B. divergens persisted longer in splenectomized mice but absence of thymus made no apparent difference

Technique, Experimental hosts
Jennings, F. W.; et al., 1978, Research Vet. Sc., v. 25 (3), 399-400
Trypanosoma congolense, T. brucei, survival time of various strains of mice, C57 B1 mouse might provide laboratory model for study of trypanotolerance in cattle

Technique, Experimental hosts
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Entamoeba histolytica, germfree guinea pigs, pathological changes, usefulness as an animal model

Technique, Experimental hosts
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Plasmodium, experimental animals for human malaria and research needs, review

Technique, Experimental hosts
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Toxoplasma gondii, RH strain, method for obtaining maximum yield of tachyzoites from peritoneal cavity of infected mice, host does not mount detectable humoral response to the parasite

Technique, Experimental hosts
Johnstone, C.; Leventhal, R.; and Soulsby, E. J. L., [1979], J. Parasitol., v. 64 (6), 1978, 1015-1020
Ascaris suum, C57BL/6 mice, centrifugation method for recovering tissue larvae is superior to both Baerman and tissue digest methods, use of this method in evaluating this mouse strain as model for study of immune resistance to infection

Technique, Experimental hosts
Kaliakin, V. N.; and Slepchenko, A. R., 1971, Parazitologiia, Leningrad, v. 5 (6), 559-562
Encephalitozoon cuniculi, mice of several strains and substrains, no natural infections found, susceptibility to experimental infection, parasite virulence increases with mouse passage

Technique, Experimental hosts
Kilgore, R. L.; et al., 1979, Poultry Science, v. 58 (1), 67-71
Eimeria spp., chickens, floor-pen trials evaluating 4 methods of induced exposure to coccidiosis suitable for use in drug research operations, laboratory sporulated oocysts spread over litter most satisfactory method

Technique, Experimental hosts
Kloetzel, K.; et al., 1977, Trop. and Geogr. Med., v. 29 (4), 407-410
Schistosoma mansoni-Toxoplasma gondii concomitant infections, mice, Schistosoma-Toxoplasma order of infection caused massive mortality, great weight loss and striking splenomegaly, Toxoplasma-Schistosoma order caused few notable effects

Technique, Experimental hosts
Kovalenko, F. P., 1976, Med. Parazitol. i Parazitar. Bolezni, v. 45 (2), 226-227
Alveococcus multilocularis and Echinococcus granulosus in Phodopus sungorus campbelli as laboratory model

Technique, Experimental hosts
Kumar, V.; et al., 1979, Ann. Parasitol., v. 54 (3), 331-339
Dictyocaulus viviparus, effect of immunosuppressive therapy on course of development in guinea pigs

Technique, Experimental hosts
Kuntz, R. E.; et al., 1978, Proc. Helminth. Soc. Washington, v. 45 (1), 56-59
Schistosoma mattheei, Papio cynocephalus as satisfactory experimental host

Technique, Experimental hosts
Kuntz, R. E.; et al., 1978, Am. J. Trop. Med. and Hyg., v. 27 (3), 632-634
Schistosoma intercalatum, successful experimental infection of Pan troglodytes and Hylobates lar, possible use as laboratory hosts

Technique, Experimental hosts
Kuntz, R. E.; et al., 1978, Internat. J. Parasitol., v. 8 (1), 65-68
Schistosoma intercalatum in Erythrocebus patas (exper.), high compatibility for parasitism, high egg production, most eggs deposited in large intestine but elicit slight pathology, no pathologic involvement of urinary bladder

Technique, Experimental hosts
Kuntz, R. E.; et al., 1979, Internat. J. Parasitol., v. 9 (3), 213-220
6 schistosome species, susceptibility of Saimiri sciureus (exper.)

Technique, Experimental hosts
Kuntz, R. E.; Huang, T. C.; and Moore, J. A., 1979, Trop. and Geogr. Med., v. 31 (4), 477-483
Schistosoma haematobium-infected squirrel monkey as laboratory host, pathology, tissue egg deposits, general disease conditions

Technique, Experimental hosts
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Plasmodium knowlesi in Callithrix jacchus investigated as possible model for immunological studies, course of infection, differential susceptibility, resistance to challenge infection

Technique, Experimental hosts
Le Bars, H.; and Banting, A. de L., 1979, Med. & Chir. Digest., v. 8 (5), 435-441
Fasciola hepatica, exper. infection in rabbits, sheep, and cattle, variations in blood parameters that reflect alterations in liver function compared with normal values in order to establish standards for studying toxicity of flukicides

Technique, Experimental hosts
Lewis, D.; and Williams, H., 1979, Nature, London (5700), v. 278, 170-171
Babesia divergens, successful experimental infection of Meriones unguiculatus by intraperitoneal inoculation of infected bovine blood, parasite is then transmissible to further gerbils and can be used to infect splenectomised calves once again after 2 gerbil passages

Technique, Experimental hosts
Lindsley, H. B.; Nagle, R. B.; and Stechschulte, D. J., 1978, Am. J. Trop. Med. and Hyg., v. 27 (5), 864-872
Trypanosoma rhodesiense-infected rats, proliferative glomerulonephritis, hypocomplementemia, nucleic acid antibodies, feasibility of rat as model host

Technique, Experimental hosts
Lowrie, R. C., jr.; Eberhard, M. L.; and Orihel, T. C., [1979], J. Parasitol., v. 64 (6), 1978, 1003-1007
Tetrapetalonema marmosetae, development to infective stage in Culicoides hollensis and C. furens (thoracic flight muscles) (both exper.), results suggest species of Culicoides are probable natural vectors and also open way for laboratory maintenance of this parasite

Technique, Experimental hosts
Maddison, S. E., 1975, South. Med. J., v. 68 (12), 1545-1551
Schistosoma mansoni-infected rhesus monkey, experimental animal model for dialyzable transfer factor

Technique, Experimental hosts
Malhotra, D. V.; Gautam, O. P.; and Banerjee, D. P., 1979, Trop. Animal Health and Prod., v. 11 (2), 95-97
Babesia equi, failure to transmit in laboratory animals

Technique, Experimental hosts
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Brugia pahangi-infected Mesocricetus auratus (exper.), greater susceptibility of PD-4 inbred hamsters than of outbred

Technique, Experimental hosts
Mango, A. M.; Mango, C. K. A.; and Esamal, D., 1977, Bull. Animal Health and Prod. Africa, v. 25 (3), 251-256
Fasciola gigantica, rabbits and guinea pigs, mortality, susceptibility, prepatency, and worm recovery, rabbits slightly more resistant than guinea pigs

Technique, Experimental hosts
Mangold, B. L.; and Knopf, P. M., 1978, J. Parasitol., v. 64 (5), 813-821
Schistosoma mansoni, recovery of schistosomula from lungs of normal and resistant rats was dependent upon assay conditions employed (incubation medium, incubation time, perfusion procedure), optimal assay conditions established

Technique, Experimental hosts
Mehlitz, D., 1978, Tropenmed. u. Parasitol., v. 29 (1), 101-107
Trypanosoma brucei gambiense, susceptibility of Mastomys natalensis, suitable experimental host for isolation of strains of subgenus Trypanozoon and for differentiation of these strains in blood incubation infectivity test

Technique, Experimental hosts
Mitchell, G. F., 1979, Advances Immunol., v. 28, 451-511
immunological and 'paraimmunological' responses to infection with metazoan and protozoan parasites in mouse models, extensive review

Technique, Experimental hosts
Molyneux, D. H., 1979, Ann. Trop. Med. and Parasitol., v. 73 (1), 85-87
Leishmania mexicana amazonensis and L. b. brasiliensis in Microtus agrestis and Clethrionomys glareolus, may be more useful as exper. hosts for study of visceral and cutaneous leishmaniasis than conventional laboratory rodents

Technique, Experimental hosts
Moulton, J. E.; and Stevens, D. R., 1978, Am. J. Path. (433), v. 91 (3), 693-696
trypanosomiasis, Peromyscus maniculatus as laboratory model for human disease, review

Technique, Experimental hosts
Murrell, K. D.; et al., 1979, J. Parasitol., v. 65 (5), 829-831
Schistosoma mansoni, influence of mouse strain on induction of resistance with irradiated cercariae, no obvious or simple relationship to mouse H-2 haplotype

Technique, Experimental hosts
Neilson, J. T. M., 1979, Am. J. Trop. Med. and Hyg., v. 28 (2), 216-219
Dipetalonema viteae-infected Mesocricetus auratus, kinetics of infections established by surgical implantation of adult worms

Technique, Experimental hosts
Norman, L.; Gold, D.; and Kagan, I. G., 1979, Am. J. Trop. Med. and Hyg., v. 28 (2), 198-205
Entamoeba histolytica, exper. infected Mesocricetus auratus, measurement of serologic responses using indirect hemagglutination and enzyme linked immunosorbent assay tests

Technique, Experimental hosts
Owen, D., 1978, Lab. Animals, v. 12 (2), 49-50
Eimeria stiedae, E. intestinalis, standard rabbit diet heavily contaminated with oocysts, sterilization by autoclaving and irradiation was satisfactory for elimination of oocysts from diet but pelleting even at 68° was unsatisfactory

Technique, Experimental hosts
Packchanian, A., 1979, Tr. Roy. Soc. Trop. Med. and Hyg., v. 73 (1), 31-36
Leishmania tropica, albino hairless Mus musculus is suitable laboratory animal for studying experimental cutaneous leishmaniasis, several animals also developed generalized leishmaniasis

Technique, Experimental hosts
Payne, W. L.; and Jackson, G. J., 1978, J. Parasitol., v. 64 (1), 44
Angiostrongylus cantonensis, reasons for not using commercially available food snails as laboratory hosts

Technique, Experimental hosts
Pennoit-De Cooman, E.; and De Rycke, P. H., 1978, Ztschr. Parasitenk., v. 56 (1), 39-45
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Technique, Experimental hosts
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Technique, Immunodiffusion. See Immunity, Precipitation.

Technique, Immunoelectrophoresis. See Immunity, Precipitation.

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Technique, Treatment
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Technique, Treatment
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Technique, Treatment
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nematodes, fallow-deer, panacur, good results, recommended that medicated food be given once at beginning of frost-period and at end of winter

Technique, Treatment
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Technique, Treatment
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Technique, Treatment
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Technique, Treatment
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Technique, Treatment
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Technique, Treatment
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Technique, Treatment
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Technique, Treatment
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Technique, Treatment
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Technique, Treatment
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methods for testing compounds for filaricidal activity, review

Technique, Treatment
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Technique, Treatment
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Technique, Treatment
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Schistosoma mansoni-infected mice deprived of their T-cells, relative lack of efficacy of potassium antimony tartrate, demonstration of drug-antiserum synergy

Technique, Treatment
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gastrointestinal nematodes, availability to sheep grazing on summer-contaminated pastures (December-January contamination vs. February contamination), rates of decline of infective larvae, effects of weather conditions, implications for anthelmintic treatment and grazing management: Canberra, A. C. T.

Technique, Treatment
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Technique, Treatment
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Hypoderma bovis, cattle, insecticides tested, aerosol method of application more useful for large, specialized farms than for individual treatment: Tiumensk oblast

Technique, Treatment
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Brugia malayi, fourth stage and adult parasites in cats, effect of diethylcarbamazine citrate, effective model to compare efficacy of drugs against adult lymphatic-dwelling filariae

Technique, Treatment
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Plasmodium falciparum, patient in coma and renal failure treated with exchange transfusions, 2% of patient's red blood cells remained parasitized after therapy, 60% parasitized prior to transfusions: Cristalandia, Brasil

Technique, Treatment
Fink, E.; and Schmidt, H., 1979, Tropenmed. u. Parasitol., v. 30 (2), 206-211
Trypanosoma brucei rhodesiense, EATRO 1989 strain in white mice induced chronic infection with meningoencephalitis similar to infection in humans, suitable model for studying human infection and screening drug compounds for activity during late stages of infections

Technique, Treatment
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Technique, Treatment
Gillin, F. D.; and Diamond, L. S., 1978, J. Protozool., v. 25 (4), 539-543
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Technique, Treatment
Gladney, W. J.; et al., 1974, J. Med. Entom., v. 11 (3), 303-306
Amblyomma maculatum, cattle (exper.), male tick pheromone applied to small area on cattle attracted female ticks from other sites, mixture of pheromone and isobenzan attracted and killed female ticks

Technique, Treatment
Gothe, R.; and Guizar, R. C., 1979, Zentralbl. Vet.-Med., Reihe B, v. 26 (4), 290-303
Argas walkerae, chickens (exper.), in vivo model for evaluating detaching potential of various acaricides

Technique, Treatment
Gruenberg, J.; et al., 1979, Biochem. and Biophys. Research Commun., v. 88 (3), 1173-1179
Trypanosoma brucei, interactions of liposomes with plasma membrane, implications for use of liposome-encapsulated drugs in chemotherapy

Technique, Treatment
Guida, V. O.; et al., 1974, Rev. Brasil. Med., v. 31 (7), 465-470
Schistosoma mansoni, humans with intestinal, hepato-intestinal and hepatosplenic compensated forms of infection, Bacillus amyloliquefasciens resulted in clinical and parasitologic cure, apparent enzymatic action on parasites

Technique, Treatment
Gutteridge, W. E.; Cover, B.; and Gaborak, M., 1978, Ann. Trop. Med. and Parasitol., v. 72 (4), 329-338
Trypanosoma cruzi, rapid, simple primary screen to test compounds for activity as potential trypanocides using infected A/JAX inbred mice

Technique, Treatment
Hair, J. A.; et al., J. Econom. Entom., v. 72 (1), 135-138
Boophilus spp., Dermacentor albipictus, cattle (exper.), sustained release famphur bolus

Technique, Treatment
Harvey, T. L.; and Brethour, J. R., 1979, J. Econom. Entom., v. 72 (4), 532-534
Haematobia irritans, permethrin EC spray applied to one individual bull, cow, or steer per herd eliminated all horn flies from herds within 1 day

Technique, Treatment
Hillyer, G. V.; and Santiago de Weil, N., 1979, J. Parasitol., v. 65 (5), 680-684
Fasciola hepatica, rats, rabbits, enzyme linked immunosorbent assay can be used for serodiagnosis and for prediction of chemotherapeutic success

Technique, Treatment
Irvin, A. D.; and Young, E. R., 1978, Research Vet. Sc., v. 25 (2), 211-214
Babesia spp., drug inhibition of hypoxanthine uptake in vitro could be used as primary screen for babesicidal drugs but drugs showing in vitro activity are not necessarily active in vivo

Technique, Treatment
Jørgensen, R. J.; et al., 1978, Vet. Parasitol., v. 4 (1), 55-68
Ostertagia ostertagi, calves from previous field experiment that had been subjected to various combinations of pasture moving and anthelmintic treatment, infection parameters and body weight gains following housing

Technique, Treatment
Katz, N.; and Pellegrino, J., 1974, Rev. Inst. Med. Trop. S. Paulo, v. 16 (5), 245-252
Schistosoma mansoni, Cebus monkeys, correlation of number of eggs per gram of rectal tissue with number of female worms, challenge infection effect, or drug action

Technique, Treatment
Kauzal, G. P., 1979, Austral. Vet. J., v. 55 (8), 400 [Letter]
daily dose phenothiazine system vs. conventional drenching, pregnant ewes

Technique, Treatment
Kessler, R. E.; et al., 1970, Surg. Forum, v. 21, 378-380
Schistosoma mansoni, successful extracorporeal filtration of schistosomes in unaesthetized man, possible use in reducing or eliminating worm burden when drugs are contraindicated or as research tool to study new drugs or natural history of disease in man

Technique, Treatment
Kilgore, R. L.; et al., 1979, Poultry Science, v. 58 (1), 67-71
Eimeria spp., chickens, floor-pen trials evaluating 4 methods of induced exposure to coccidiosis suitable for use in drug research operations, laboratory sporulated oocysts spread over litter most satisfactory method

Technique, Treatment
Kirkwood, A. C., 1979, State Vet. J., Min. Agric., Fish. and Food (101), v. 34, 134-141
Psoroptes communis ovis, sheep, effective dipping practices for control, review

Technique, Treatment
Korolkovas, A.; et al., 1975, Rev. Farm. e Bioquim. Univ. Sao Paulo, v. 13 (2), 217-225
latentiation of 9 potential naphthylazo derivatives as schistosomicides, although the compounds were ineffective in trials with mice, the latentiation method used in the trials showed potential for wider application in drug testing

Technique, Treatment
Kurathong, S.; et al., 1979, Southeast Asian J. Trop. Med. and Pub. Health, v. 10 (3), 389-392
falciparum malaria complicated by disseminated intravascular coagulation, woman successfully treated with exchange transfusion after previously failing to respond to other therapy: Thailand

Technique, Treatment
Lacuta, A. Q.; and Newman, A. R., [1977], Philippine J. Vet. Med., v. 15 (1-2), 1976, 169-180
Demodex canis, German Shepherd puppy, treatment with methylene blue positive iontophoresis, good results, case report; iontophoresis, review

Technique, Treatment
Laigret, J.; Fagneaux, G.; and Tuira, E., 1978, Bull. World Health Organ., v. 56 (6), 985-990
Wuchereria bancrofti var. pacifica, humans with lymphatic filariasis, diethylcarbamazine long-term therapy given at widely spaced intervals: Polynesie francaise

Technique, Treatment
Langham, M. E.; Traub, Z. D.; and Richardson, R., 1978, Tropenmed. u. Parasitol., v. 29 (2), 156-162
Onchocerca volvulus, humans, transepidermal administration of diethylcarbamazine, more effective and safer than oral route: Liberia

Technique, Treatment
Latter, V. S.; and Wilson, R. G., 1979, Parasitology, v. 79 (1), 169-175
Eimeria tenella, factors influencing assessment of anticoccidial activity in cell culture

Technique, Treatment
Lee, E. H.; and Onderka, D. K., 1978, Canad. Vet. J., v. 19 (9), 237-243
Eimeria spp., chickens, incidence of clinical coccidiosis by month of year and age of host in the Ontario Veterinary Services Branch records 1973-1977, possible use of data to synchronize drug rotation with change in incidence

Technique, Treatment
Liebisch, A.; et al., 1978, Vet. Med. Rev. (1), 49-62
Psoroptes ovis, sheep, increasing incidence, controlled field trial with asuntol dip, good results; need for good dipping technique, most frequent sources of failure: Federal Republic of Germany

Technique, Treatment
Lindquist, W. D., 1978, Am. J. Vet. Research, v. 39 (11), 1868-1869
Baylisascaris procyonis, mice (exper.), pyrantel tartrate and pyrantel pamoate administered in feed prevented cerebral migration, concluded that parasite might be useful model to test anthelmintics against migratory ascarids

Technique, Treatment
Lloyd, J. E.; Olson, E. J.; and Pfadt, R. E., 1978, J. Econom. Entom., v. 71 (3), 548-550
Melophagus ovinus, sheep, diazinon, ronnel, low volume spraying gave rapid control with no adverse effects

Technique, Treatment
McBeath, D. G.; Preston, N. K.; and Thompson, F., 1979, Brit. Vet. J., v. 135 (3), 271-278
nematodes, ewes, fenbendazole administered in feed-block formulation prior to lambing reduced peri-parturient faecal egg count rise and subsequent pasture contamination and lamb infection, experimental and field studies

Technique, Treatment
McDougald, L. R.; and Galloway, R. B., 1977, Ztschr. Parasitenk., v. 54 (1), 95-100
Eimeria tenella in vitro, development inhibited by serum from chickens fed anticoccidial drugs, technique to assay drug activity and to characterize and quantitate therapeutic effect

Technique, Treatment
McHardy, N., 1978, Ann. Trop. Med. and Parasitol., v. 72 (6), 501-511
Theileria parva- and T. annulata-infected bovine lymphoblastoid cell cultures used in in vitro screens to test wide range of compounds for chemotherapeutic activity

Technique, Treatment
Marriner, S.; and Bogan, J. A., 1979, Vet. Rec., v. 105 (11), 261
benzimidazole anthelmintics, sheep, oral vs. intraruminal vs. intra-abomasal administration

Technique, Treatment
Mchinja, S. J.; Young, A. S.; and Omwoyo, P., 1975, Bull. Animal Health and Prod. Africa, v. 25 (2), 158-161
Theileria parva, inoculation of oxytetracycline into rabbits on which infected Rhipicephalus appendiculatus are feeding did not inhibit development of parasites nor affect their subsequent infectivity for cattle, possible use of this system in screening prophylactic drugs against East Coast fever

Technique, Treatment
de Melo, H. J. H., 1977, Arq. Escola Vet. Univ. Fed. Minas Gerais, v. 29 (3), 269-277
helminths, weaned Zebu calves reared extensively on Jaragua grass, different schemes of treatment, effect of anthelmintic treatment on host growth seems to be conditioned to environmental conditions, especially nutrition

Technique, Treatment
Metelitsa, V. K.; et al., 1977, Veterinariia, Moskva (9), 68-70
[Hypoderma], cattle, dosing apparatus for applying hypodermin-chlorophos in measured doses to several animals, economic benefits of treatment

Technique, Treatment
Migioia, S., 1978, Vet. Med. and Small Animal Clin., v. 73 (8), 1073-1076
Habronema sp. larvae, horses (legs, nares), cryosurgical treatment (double freeze-thaw cycle), good results

Technique, Treatment
Muylle, E.; Oyaert, W.; and Rogiers, M., 1979, Vlaams Diergeneesk. Tijdschr., v. 48 (4), 279-282
Gasterophilus intestinalis larvae, horses, mebendazole + trichlorfon paste, endoscopic assessment of efficacy

Technique, Treatment
New, R. R. C.; et al., 1978, Nature, London (5648), v. 272, 55-56
Leishmania donovani, mice, reduced parasite count in liver after treatment with drug-loaded liposomes (potassium antimony tartrate, sodium antimony gluconate), enhanced activity as compared to drug injected alone

Technique, Treatment
Nielsen, R. L.; et al., 1979, Am. J. Med. Sc., v. 277 (3), 325-329
Plasmodium falciparum, woman, intense parasitemia, deepening coma, and acute renal failure, exchange transfusions as useful adjunct to conventional chemotherapy, numbers of infected circulating erythrocytes reduced: United States, had previously travelled in Ghana

Technique, Treatment
Patrick, I. T., 1979, Brit. Med. J. (6163), v. 1, 619-620 [Letter]
human cerebral malaria, successful treatment regimen using intravenous quinine dihydrochloride

Technique, Treatment
Pautrizel, R.; et al., 1977, Ann. Soc. Belge Med. Trop., v. 57 (4-5), 501-524
Trypanosoma equiperdum, laboratory animals, treatment with irradiation (association of electromagnetic waves and magnetic field), immune response

Technique, Treatment
Pautrizel, R.; et al., 1978, Compt. Rend. Acad. Sc., Paris, v. 287, s. D, Sc. Nat. (5), 575-578
Trypanosoma equiperdum, mice, influence of host age on effectiveness of stimulation of its defenses by electromagnetic radiation, mature immune system is required

Technique, Treatment
Pereira, L. H.; et al., 1974, Rev. Inst. Med. Trop. S. Paulo, v. 16 (3), 123-126
Schistosoma mansoni, mice, simple and rapid method for mass screening of prophylactic agents using peritoneal schistosomula

Technique, Treatment
Pirson, P.; et al., 1979, Tr. Roy. Soc. Trop. Med. and Hyg., v. 73 (3), 347 [Letter]
Plasmodium berghei, mice (exper.), liposome-entrapped primaquine used as therapy against pre-erythrocytic stage infection, less toxic than free primaquine

Technique, Treatment
Pugh, R. N. H., 1979, Ann. Trop. Med. and Parasitol., v. 73 (2), 191-192
Schistosoma haematobium-infected boys treated 12 months earlier with metrifonate, follow-up intravenous urograms support significance of annual chemotherapy programmes in reducing morbidity in boys and in reducing enviromental contamination: Malumfashi area, northern Nigeria

Technique, Treatment
Raether, W.; Seidenath, H.; and Loewe, H., 1978, Ann. Trop. Med. and Parasitol., v. 72 (6), 543-547
Leishmania donovani, golden hamsters, HOE 668 compared with known antileishmanial drugs, toxicity precludes further development but very good anti-leishmanial action qualifies it as standard compound in screening tests

Technique, Treatment
Rane, D. S.; and Kinnamon, K. E., 1979, Am. J. Trop. Med. and Hyg., v. 28 (6), 937-947
sporozoite-induced Plasmodium berghei in mice, development of high volume tissue schizonticidal drug screen based upon mortality of infected mice

Technique, Treatment
Rechav, Y.; and Whitehead, G. B., 1978, J. Econom. Entom., v. 71 (1), 149-151
Amblyomma hebraeum, field trials with pheromone-toxaphene mixtures applied to demarcated areas on cattle for tick control: near East London, South Africa

Technique, Treatment
Rendano, V. T.; et al., 1979, Equine Vet. J., v. 11 (4), 223-231
Strongylus vulgaris, foals (exper.), albendazole, sequential arteriography for evaluation of larvicidal activity

Technique, Treatment
Roncoroni, A. J.; and Martino, O. A., 1979, Am. J. Trop. Med. and Hyg., v. 28 (3), 440-444
Plasmodium falciparum, 36-year-old male after travel to Senegal, case report, severe infection cured by exchange blood transfusion in conjunction with classical drug therapy: Argentina

Technique, Treatment
Rowlands, D. ap T.; and Clampitt, R. B., 1979, Vet. Parasitol., v. 5 (2-3), 155-175
Fasciola hepatica, sheep, cattle (both exper.), bodyweight, blood and plasma analyses, emphasis on use of plasma enzyme levels to detect and monitor liver damage and to assess efficacy of diamphenethide against immature flukes

Technique, Treatment
Ryley, J. F.; and Hardman, L., 1978, Parasitology, v. 76 (1), 11-20
Eimeria spp., chicks (exper.), effects of dietary vitamin K on severity of disease with particular attention to effects of vitamin K on response to anticoccidial drugs, concluded that use of vitamin K deficient diet for experimental work is quite justified

Technique, Treatment
Santiago, M. A. M.; et al., 1978, Rev. Centro Cien. Rurais, v. 8 (1), 83-87
Ancylostoma sp., Toxocara sp., dogs, levamisole by dermal application

Technique, Treatment
Schmidt, L. H., 1978, Am. J. Trop. Med. and Hyg., v. 27 (4), 718-737
Plasmodium falciparum and P. vivax in Aotus trivirgatus griseimembra, methods employed in search for new blood schizonticidal drugs

Technique, Treatment
Shanahan, G. J.; and Hughes, P. B., 1978, Vet. Rec., v. 103 (26-27), 582-583
Lucilia cuprina, myiasis, sheep, organophosphorus insecticides, residual efficacy against susceptible and resistant larvae, larval implant technique compared with standard analysis: New South Wales

Technique, Treatment
Shashindran, C. H.; et al., 1978, Brit. J. Dermat., v. 98 (6), 699-700
human pediculosis capitis, successful systemic (oral) therapy using combination of trimethoprim and sulphamethoxazole without additional external application of insecticides; drugs when used separately were not effective

Technique, Treatment
Shedivtsova, A., 1976, Med. Parazitol. i Parazitar. Bolezni, v. 45 (2), 173-176
Nippostrongylus braziliensis, migratory phase, white mice, 16 anthelmintics tested, model for larval nematode treatment studies

Technique, Treatment
Shibuya, T.; et al., 1978, Japan. J. Exper. Med., v. 48 (5), 411-418
Litomosoides carinii in Sigmodon hispidus, screening filaricides for human filariasis, evaluation of intrathoracic injection method

Technique, Treatment
Sinclair, A. N., 1978, Vet. Rec., v. 103 (11), 247 [Letter]
sheep scab control with use of showers

Technique, Treatment
Skromne-Kadlubik, G.; et al., 1978, Medicina, Mexico (1228), an. 58, v. 58, 1-4
Onchocerca volvulus, rabbits, possible diagnosis and treatment of onchocercoma using I^{131}-labelled antibodies

Technique, Treatment
Skromne-Kadlubik, G.; Medina, J.; and Rauda, L., 1976, SPM Salud Pub. Mexico, v. 18 (2), 395-398
Entamoeba histolytica, human, comparative survey, conventional medications vs. radiation therapy

Technique, Treatment
Spitaels, J. M.; Lloyd, D. A.; and Boultbee, J. E., 1978, South African Med. J., v. 54 (25), 1044 [Letter]
Ascaris lumbricoides, persistent biliary ascariasis in 8-year-old girl, worm removed successfully through duodenum by endoscopy: South Africa

Technique, Treatment
Splisteser, H.; and Graefe, D., 1977, Monatsh. Vet.-Med., v. 32 (23), 911-914
large-scale control of ectoparasites, farm animals, equipment for administering powder preparations under extreme cold weather conditions of Mongolian People's Republic

Technique, Treatment
Splisteser, H.; and Graefe, D., 1978, Veterinariia, Moskva (5), 113-114
ectoparasites, sheep, cattle, camels, S-150 dusting apparatus described: Mongolia; GDR

Technique, Treatment
van der Spuy, S., 1978, South African Med. J., v. 53 (25), 1030-1033
biliary ascariasis, children, diagnosis, evaluation of therapy, and removal of worms from biliary system using cholangiography and duodenoscopy, alternative to surgery

Technique, Treatment
Stella, V.; et al., 1978, J. Pharm. Sc., v. 67 (10), 1375-1377
α-(dibutylaminomethyl)-6,8-dichloro-2-(3',4'-dichlorophenyl)-4-quinolinemethanol (an antimalarial), enhancement of bioavailability by formulation with oleic acid in soft gelatin capsule

Technique, Treatment
Stoessel, F. R.; and Haberkorn, S. E. M., 1977, Gac. Vet., Buenos Aires (324), v. 39, 506-510
Trichomonas foetus, bulls, dimetridazole methanesulphonate by intrarruminal injection, most efficient treatment with daily dose of 100 mg per kg during 5 consecutive days

Technique, Treatment
Tanaka, H.; et al., 1977, Japan. J. Exper. Med., v. 47 (4), 315-317
Litomosoides carinii-infected cotton rats, improved method for intrapleural injection of anti-filarial drugs to evaluate macrofilaricidal action

Technique, Treatment
Tarry, D. W., 1978, Vet. Ann. (18), 111-116
ectoparasites, development of control methods, review

Technique, Treatment
Tenquist, J. D.; and Roberts, M., 1978, N. Zealand Vet. J., v. 26 (4), 88-91
Lucilia sericata, Damalinia ovis, sheep, 2 new 'Mini-shower' models of dipping with fenthion-ethyl and diazinon compared with plunge and shower dipping, residues in wool samples

Technique, Treatment
Tierney, F.; and Baillie, J., 1979, Vet. Med. and Small Animal Clin., v. 74 (1), 69-70
Cnemidocoptes pilae, Mexican red-headed parrot (beak, face), case report, combined aerosol (malathion solution) and topical treatment (eurax and Goodwinol cream) highly effective and less stressful

Technique, Treatment
Vakirtzi-Lemonias, C.; and Gregoriadis, G., 1978, Biochem. Soc. Tr., v. 6 (6), 1241-1244
Crithidia fasciculata, uptake of liposome-entrapped agents

Technique, Treatment
Waters, K. S., 1978, Queensland Agric. J., v. 104 (3), 215-225
control of buffalo flies on cattle using back rubber charged with ethion, good results, directions for making and maintaining

Technique, Treatment
Werner, H.; et al., 1977, Tropenmed. u. Parasitol., v. 28 (4), 528-532
Toxoplasma gondii, latent infected mice, substantial reduction in brain cysts obtained by administration of hyperimmune serum, pyrimethamine, and SDDS in various combinations; effectiveness of therapy varied with parasite strain

Technique, Treatment
Wilkins, H. A.; et al., 1979, Tr. Roy. Soc. Trop. Med. and Hyg., v. 73 (1), 74-80
Schistosoma haematobium, human, intensity and prevalence of proteinuria and hematuria determined using urinalysis reagent strips, close relationship to intensity of infection suggests these parameters may have value as indications for chemotherapy, good prognosis in subjects with heavy proteinuria suggests that this urinary protein is likely to originate from lesions in lower renal tract rather than kidney: The Gambia; Egypt

Technique, Treatment
Williamson, J.; and Scott-Finnigan, T. J., 1978, Antimicrob. Agents and Chemotherapy, v. 13 (5), 735-744
trypanocidal activity of antitumor antibiotics and other metabolic inhibitors, microtest for rapid preliminary assay in vitro, parasite motility and infectivity for mice are indexes respectively of respiration and glycolysis and of cell division, implications of results for combination chemotherapy and deposit prophylaxis (with polyanions)

Technique, Treatment
Wise, D. L.; Gresser, J. D.; and McCormick, G. J., 1979, J. Pharm. and Pharmacol., v. 31 (4), 201-204
dual antimalarial system, sustained release of ^{3}H-labelled WR-7557 and ^{14}C-labelled WR-158122 in biodegradable carrier, rhesus monkeys, mice

Technique, Treatment
Wright, F. C.; and Riner, J. C., 1979, Southwest. Entom., v. 4 (1), 40-45
Psoroptes ovis, P. cuniculi, 10 acaricides evaluated using 'tea-bag' technique

Technique, Treatment
Yeoman, G. H.; and Bell, T. A., 1978, Vet. Rec., v. 103 (15), 337
Lucilia sericata, sheep, aluminium alkoxide gellants mixed with insecticide and applied to breech area, results suggest that this new control method against cutaneous myiasis gives higher protection than current means of control with no abnormal problems of toxicity, tissue residues, or wool processing

Technique, Treatment
Young, S. W.; et al., 1978, Tr. Roy. Soc. Trop. Med. and Hyg., v. 72 (6), 627-630
Schistosoma haematobium, patients with obstructive uropathy and associated bacteriuria, evaluation with serial urograms, renograms, and renal function tests before and after medical treatment, renogram can be more sensitive test for evaluating efficacy of treatment

Technique, Trematoda
Christensen, N. O., 1978, Ztschr. Parasitenk., v. 57 (2), 155-162
Diplostomum spathaceum, Hypoderaeum conoideum, Plagiorchiidae sp., Notocotylus attenuatus, labelling cercariae with radioselenium by incubating host snails with radioisotope, no negative effects on cercariae, possible applications of technique; labelled H. conoideum for radioisotope assay of host-finding by measuring snail-bound radioactivity in Helisoma duryi after exposure to cercariae

Technique, Trematoda
Gomes, P.; Velarde, A.; and Chiriboga, J., 1973, J. Agric. Univ. Puerto Rico, v. 57 (1), 87-88
Fasciola hepatica miracidia, simple method for mass production

Technique, Trematoda
McIlraith, S. M., 1979, J. Parasitol., v. 65 (2), 326-327
Telorchis attenuatus, technique for periodic collection of emerging cercariae from snail hosts

Technique, Trematoda
Nassi, H., 1978, Acta Trop., v. 35 (1), 41-56
Ribeiroia marini guadeloupensis n. ssp., life cycle, sterilization of Biomphalaria glabrata (vector of schistosomiasis), method for producing large quantities of trematode eggs with view to eventual control of snail populations: Guadeloupe

Technique, Trematoda
Ørnbjerg Christensen, N., 1977, Ztschr. Parasitenk., v. 54 (3), 275-288
Schistosoma mansoni, S. intercalatum, cercariae, technique for in vivo labelling with radioselenium, possible applications in cercarial ecology studies

Technique, Ultrasonication. See Sound.

Technique, Vectors. See Vectors.

Tegument. [See also Cuticle; Integument; Membranes; Parasite surfaces]

Tegument
Arme, C.; and Threadgold, L. T., 1976, Rice Univ. Studies, v. 62 (4), 21-34
Eubothrium crassum, presence of two types of tegumental cells and two types of unicellular glands in scolex, electron microscope study

Tegument
Arme, C.; and Walkey, M., 1970, Symposia Brit. Soc. Parasitol., v. 8, 79-101
physiology of fish parasites, review: chemical composition; physical environmental parameters (salinity, temperature, oxygen tension); nutrition (role of gut, role of tegument); metabolism (carbohydrates, nitrogenous compounds, lipids); growth physiology; host-parasite relations (pathology, host specificity and immunity)

Tegument
Bakke, T. A.; and Lien, L., 1978, Internat. J. Parasitol., v. 8 (2), 155-161
Phyllodistomum conostomum, tegumental surface microtopography, scanning electron microscopy

Tegument
Bennett, C. E., 1978, Parasitology, v. 77 (3), 325-332
Fasciola hepatica, identification of soluble adult antigen on tegumental surface of juveniles

Tegument
Bogitsh, B. J.; and Carter, O. S., 1979, Tr. Am. Micr. Soc., v. 98 (3), 454-460
Schistosoma mansoni schistosomules grown in vivo and in vitro, transmission and scanning electron microscopic and cytochemical studies, tegumental changes following penetration, onset of phosphatase activity

Tegument
Carlisle, S.; and Weisberg, L. S., 1978, Exper. Parasitol., v. 44 (1), 124-135
Schistosoma mansoni-infected mice injected via tail vein with peroxidase and Thorotrast, subsequent appearance of these tracers in worms, results suggest that tegumental and cecal surfaces may exhibit functional specialization in male vs. female worms

Tegument
Conway-Jones, P. B.; and Rothman, A. H., 1978, Exper. Parasitol., v. 44 (1), 108-115
Hymenolepis microstoma, distribution and concentration of electron-opaque and electron transparent bodies in tegument

Tegument
Conway-Jones, P. B.; and Rothman A. H., 1978, Exper. Parasitol., v. 46 (2), 152-156
Hymenolepis microstoma, adenyl cyclase, ultrastructural localization in tegument

Tegument
Cordeiro, M. N.; and Gazzinelli, G., 1979, Exper. Parasitol., v. 48 (3), 337-344
Schistosoma mansoni, protein and glycoprotein composition of tegument with respect to age, sex, and host origin, resolution and molecular weight estimates by polyacrylamide gel electrophoresis

Tegument
Davies, C., 1978, Internat. J. Parasitol., v. 8 (3), 197-206
Fasciola hepatica, metacercariae grown in vitro in 2 different media, ultrastructure of tegument and digestive caeca, comparison with development of these 2 systems during maturation in vivo

Tegument
Davies, C., 1979, Internat. J. Parasitol., v. 9 (6), 553-564
Microphallus similis metacercariae and adults, forebody glands and surface features, scanning and transmission electron microscopy, cytochemistry, ultracytochemistry

Tegument
Dixon, K. E., 1976, Rice Univ. Studies, v. 62 (4), 69-80
digenetic trematodes, structure of tegument is adapted to serve the two primary functions of absorption and protection and represents a compromise between demands of the two roles, analysis and integration of already available information, implications for view of method of formation of tegument and for nomenclature of tegumental structures

Tegument
Ebrahimzadeh, A., 1977, Ztschr. Parasitenk., v. 54 (3), 257-267
Schistosoma mansoni miracidium, light and electron microscopy of tegument and associated structures (cilia, microvilli-like appendices, thin-long appendices, sensory papillae on terebratorium)

Tegument
Ernst, S. C., 1976, Rice Univ. Studies, v. 62 (4), 81-95
Schistosoma mansoni, alkaline phosphatase activity, biochemical and cytochemical studies, tegumental localization suggests that invaginations of tegument represent surface compartments that would facilitate digestive absorptive activity of this membrane, localization of nonspecific alkaline phosphatase activity in tegument but not in esophagus or cecum may reflect regional differences in function

Tegument
Fujino, T.; Ishii, Y.; and Choi, D. W., 1979, J. Parasitol., v. 65 (4), 579-590
Clonorchis sinensis, newly excysted juveniles and adult worms, tegument, surface ultrastructure, scanning and transmission electron microscopy

Tegument
Gabrion, C.; and Verdier, J. M., 1978, Ann. Parasitol., v. 53 (2), 131-146
Hymenolepis stylosa, cysticercoid, ultrastructure compared with H. diminuta, great variation in tegumental structures between the two species

Tegument
Gluckman, J.; and Passmoor, M., 1978, Proc. Electron Microsc. Soc. South. Africa, v. 8, 65-66
Schistosoma rodhaini, tegument ultrastructure, transmission electron microscopic and stereoscan observations

Tegument
Gress, F. M.; and Lumsden, R. D., 1976, Rice Univ. Studies, v. 62 (4), 111-143
Paragonimus kellicotti, tegumental surface membrane, fine structure, topochemistry (rich in acidic carbohydrate), possible relationship to ability of flukes to survive in immunocompetent host

Tegument
Halton, D. W., 1978, Parasitology, v. 76 (1), 29-37
Diclidophora merlangi, trans-tegumental absorption of L-alanine and L-leucine, worm is clearly sanguinivorous and digests blood in well-developed gut but may also be capable of supplementing this diet with low molecular weight organic nutrient absorbed directly from sea water via tegument

Tegument
Hayunga, E. G.; et al., 1979, J. Parasitol., v. 65 (4), 488-496
Schistosoma mansoni, evaluation of techniques for radioisotope labeling of surface proteins from adult worms, partial characterization of surface antigens

Tegument
Hayunga, E. G.; et al., 1979, J. Parasitol., v. 65 (4), 497-506
Schistosoma mansoni, antigenicity of radiolabeled surface proteins from adult worms, immunoprecipitation with infected serum, cross-reaction with anti-Schistosoma haematobium and anti-Schistosoma japonicum serum

Tegument
Higgins, J. C., 1979, Parasitology, v. 78 (1), 99-106
Bucephalus haimeanus, metacercaria, role of tegument in absorption of particulate material and small molecules in solution

Tegument
Hopkins, C. A.; Law, L. M.; and Threadgold, L. T., 1978, Exper. Parasitol., v. 44 (2), 161-172
Schistocephalus solidus plerocercoid, pinocytic uptake of macromolecules by tegument

Tegument
Jones, B. R.; Smith, B. F.; and LeFlore, W. B., 1977, Microbios Letters (15), v. 4, 145-150
Hydatigera taeniaeformis cysticercus, ultrastructure of bladder tegument, scanning electron microscopy

Tegument
Jones, B. R.; Smith, B. F.; and LeFlore, W. B., 1979, Cytobios (95-96), v. 24, 195-209
Hydatigera taeniaeformis cysticercus, alkaline phosphatase activity, ultrastructural localization in tegument

Tegument
Kechemir, N., 1978, Ztschr. Parasitenk., v. 57 (1), 17-33
Halipegus ovocaudatus, development of tegument during four stages (cercaria, mesocercaria, metacercaria, adult), ultrastructure

Tegument
Kemp, W. M.; Merritt, S. C.; and Rosier, J. G., 1978, Exper. Parasitol., v. 45 (1), 81-87
Schistosoma mansoni, identification of immunoglobulin classes associated with tegument of adult parasites from mice

Tegument
Knowles, W. J.; and Oaks, J. A., 1979, J. Parasitol., v. 65 (5), 715-731
Hymenolepis diminuta, brush border plasma membrane, isolation and partial biochemical characterization

Tegument
Kuo, M., 1979, J. Chinese Soc. Vet. Sc., v. 5 (1), 9-18
Hymenolepis diminuta, hydrolysis and transport of nucleotides

Tegument
Kuperman, B. I., 1978, Dokl. Akad. Nauk SSSR, v. 242 (1), 245-248
Eubothrium rugosum, Bothriocephalus gowkongensis, oncosphere, procercoid, plerocercoid, tegument ultrastructure; evolution of cestode tegument briefly discussed

Tegument
Lester, R. J. G.; and Wright, K. A., 1978, J. Invert. Path., v. 31 (3), 271-274
Metechinorhynchus salmonis, abnormal swellings in tegument, apparently due to build-up of glycogen and phospholipid, no protozoan, bacterial, or viral pathogen found, suggests that abnormality may be due to metabolic dysfunction

Tegument
McLaren, D. J.; et al., 1978, Parasitology, v. 76 (3), 327-348
Schistosoma mansoni in vitro and in vivo (mice), developing tegumental outer membrane, freeze fracture study, changes in number and distribution of intramembraneous particles (IMP) during parasite maturation, reflection in alterations of ultrastructure and antigenicity of parasite surface

Tegument
Moczon, T., 1974, Acta Parasitol. Polon., v. 22 (22-34), 323-329
Hymenolepis diminuta, non-specific and specific phosphatases in mature specimens, histochemical studies, results suggest that tegument should be considered a digestive-absorbing organ

Tegument
Murrell, K. D.; et al., 1978, Exper. Parasitol., v. 46 (2), 247-255
Schistosoma mansoni, analysis of tegumental surface membrane carbohydrates using lectins

Tegument
Palmieri, J. R., 1977, Great Basin Nat., v. 37 (2), 129-137
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Tegument
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Tegument
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Hymenolepis nana var. fraterna, cysticercoid development in haemocoels of Tenebrio molitor and Leucophaea maderae (both exper.), comparison of host haemocytic defense reactions and structure of parasite tegument

Tegument
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Fasciola hepatica, origin, ultrastructure, and function of subcuticular cells of tegument, localization of DNA synthesis, high degree of DNA-replication indicates mitotic activity of non-differentiated subcuticular cells

Tegument
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Tegument
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Tegument
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6 cestode species, proteinase activity, differences in adult and larval parasites, differences in relation to class of vertebrate host, high proteolytic activity in Schistocephalus solidus tegument

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Tegument
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Tegument
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Taenia taeniaeformis, mebendazole medication of infected mice induced drastic time-related changes on surface topography of mature cysticerci, difference in susceptibility towards the drug between scolex, pseudoproglottids, and bladder in relation to morphology of their microtrichous covering

Tegument
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Taenia solium, racemose cysticercus from human brain, fine structure, scanning and transmission electron microscopy

Tegument
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Schistosoma mansoni, development of tegumental surface in mammalian host, scanning electron microscopy

Tegument
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Tegument
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Tegument
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Tegument
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Moliniella anceps, larval stages, histology and histochemistry of cystogenic gland cells and cyst wall, participation of gland cells of cercaria in origin of layers of cyst wall of metacercaria

Tegument
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Philophthalmus sp., cercaria, histology and histochemistry of cystogenic gland cells, formation of tegument

Tegument
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Echinoparyphium aconiatum, larval stages, body tegument, histochemistry, morphology

Temperature. [See also Climate and weather; Freezing; Overwintering]

Temperature
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Cochliomyia hominivorax, oogenesis, effect of constant temperatures

Temperature
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Cochliomyia hominivorax, mating, age, mating frequency, ovarian maturation, insemination, neuroendocrine requirement, temperature

Temperature
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Echinococcus granulosus, survival time of protoscolices of ovine origin stored at constant temperatures of -20 to 50 C, ability to survive extended periods of time after an infected sheep has died or been killed suggests that stringent preventive and control measures should be established in areas where hydatid disease is endemic

Temperature
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Schistosoma spp. infections within snail populations, prevalence, spatial and temporal heterogeneity, duration of larval development and its dependence on temperature, mortality rates of infected and uninfected hosts; comparison of observed patterns with model predictions; new age-prevalence model, predictions compared with observed patterns; implications for overall transmission dynamics

Temperature
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Strongyloides planiceps, differentiation into three developmental types (free-living males, free-living females, and infective larvae), effect of temperature

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physiology of fish parasites, review: chemical composition; physical environmental parameters (salinity, temperature, oxygen tension); nutrition (role of gut, role of tegument); metabolism (carbohydrates, nitrogenous compounds, lipids); growth physiology; host-parasite relations (pathology, host specificity and immunity)

Temperature
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Dicrocoelium lanceolatum, sheep, annual activity cycle of intermediate hosts (Cionella lubrica, Formica nigricans and F. cunicularia), seasonal variation in number of parasitized ants, effect of climatic factors (temperature, rainfall), application to forecasting method: Limousin

Temperature
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Trypanosoma dionisii, effect of various agents (including temperature, complement, trypsin, cytochalasin B and immune plasma) on attachment and entry to mouse peritoneal macrophages in vitro, and subsequent morphogenesis; attachment occurred to non-specific receptors, entry by phagocytosis

Temperature
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Bovicola bovis, optimal temperature for in vitro rearing in Ireland is at variance with that recorded by 2 authors in United States, possible that geographical genetic plasticity accounts for these differences

Temperature
Barus, V., 1970, Folia Parasitol., v. 17 (1), 49-59
Subulura suctoria, development and morphology of larval stages in Alphitobius diaperinus, effect of temperatures on length of larval development

Temperature
Beesley, J. E., 1977, J. Invert. Path., v. 30 (2), 249-254
Rasajeyna nannyla in Tipula paludosa and T. vittata, incidence throughout 2-year sampling period, incidence as a function of temperature: 2 different sites (one damp and one dry) in Northumberland, England

Temperature
Bejsovec, J., 1978, Ang. Parasitol., v. 19 (2), 76-85
Eimeria phasiani and E. colchici in Phasianus colchicus, dynamics of incidence dependent upon host biotope, host movements, season, temperature, and humidity: Mittelbohmen

Temperature
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Dermacentor silvarum, capability of adult females to engorge depends on temperature and photoperiod at prefeeding stage, thus certain conditions may give rise to a form of diapause as a seasonal adaptation

Temperature
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Haemaphysalis longicornis, effect of photoperiod and temperature on behavior and development of larvae and nymphs

Temperature
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Hyalomma asiaticum asiaticum, duration of life cycle in natural biotopes (burrows of [Rhombomys opimus]), temperature requirements: Turkmenia

Temperature
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Ostertagia circumcincta, sheep infected with larvae stored at low temperature, pathophysiological changes (body weight, blood picture, serum proteins), effectiveness of infection and percent of larvae inhibited in development

Temperature
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Giardia sp., excystation in vitro, effects of temperature, pH, time, and incubation medium; eosin exclusion and excystation compared as methods of determining cyst viability, effect of temperature on cyst viability

Temperature
Bonner, T. P., 1979, J. Parasitol., v. 65 (1), 74-78
Nippostrongylus brasiliensis, 3rd-stage larvae, initiation of development in vitro evaluated on basis of morphology and RNA biosynthesis, effect of actinomycin-D, results support idea that elevation of temperature and certain nutritional components stimulate transcription of portion of genome coding for development into parasitic phase

Temperature
Boxrucker, J. C., 1979, Parasitology, v. 78 (2), 195-206
metazoan parasites of Ictalurus melas, seasonal incidence and abundance in thermal outfall area vs. unaltered area, thermal effluent had little effect on incidence, differences in abundance are considered due to factors other than temperature: Lake Monona, Dane County, Wisconsin

Temperature
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Romanomermis culicivorax, effect of various dissolved oxygen concentrations at various temperatures on infectivity for Culex pipiens

Temperature
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Oestrus ovis, sheep, temperature as most significant factor in predicting time of development in relation to season

Temperature
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Octosporea effeminans and Thelohania hereditaria in Gammarus duebeni duebeni, feminizing influence exerted on host's offspring by parasites, role of salinity and temperature on sex determination by parasites

Temperature
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Moniliformis dubius, larval morphogenesis in Periplaneta americana, effect of temperature, season, photoperiod, and elevated temperature stress, morphological anomalies

Temperature
Callinan, A. P. L., 1978, Internat. J. Parasitol., v. 8 (3), 233-237
Ostertagia circumcincta, ecology of free-living stages, development and survival on herbage and soil: western Victoria, Australia

Temperature
Callinan, A. P. L., 1978, Internat. J. Parasitol., v. 8 (6), 453-456
Trichostrongylus axei, ecology of free-living stages: development and survival of eggs and larvae, corresponding meteorological data: Pastoral Research Institute, Hamilton, Victoria, Australia

Temperature
Callinan, A. P. L., 1979, Internat. J. Parasitol., v. 9 (2), 133-136
Trichostrongylus vitrinus, development and survival of free-living stages, some corresponding meteorological data: western Victoria, Australia

Temperature
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Haemaphysalis leporispalustris, development, survival, and oviposition at 5 constant temperatures

Temperature
Campbell, A.; and Harris, D. L., 1979, Environment. Entom., v. 8 (4), 734-739
Dermacentor variabilis females engorged on albino rats and wild-caught Erethizon dorsatum and Procyon lotor and held under series of constant laboratory temperatures or under fluctuating temperatures in grass and woodland conditions, daily oviposition and survival rates, viability of eggs, total number of eggs deposited

Temperature
Cerny, V.; and de la Cruz, J., 1971, Folia Parasitol., v. 18 (1), 73-78
Boophilus microplus, development and survival in laboratory and natural conditions: Cuba

Temperature
Chauhan, P. P. S.; et al., 1978, Indian Vet. J., v. 55 (12), 1011-1013
Neoascaris vitulorum eggs, action of boiling water, direct sunlight, and lysol on viability, tested by infectivity to albino rats

Temperature
Chen, S. N.; and Howells, R. E., 1979, Ann. Trop. Med. and Parasitol., v. 73 (5), 473-486
Brugia pahangi, in vitro cultivation in variety of culture systems, effect of temperature and pH on survival of infective stage larvae in vitro, growth and development of larvae in vitro and in vivo, effect of CO_2 on infective larvae in vitro, growth and development of early mammalian stages in vitro, electron microscope observations

Temperature
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protozoans of young predatory fish, extent of infection correlated with some environmental factors: Vrevo Lake, Leningrad district

Temperature
Cheung, P. J.; Nigrelli, R. F.; and Ruggieri, G. D., 1979, J. Fish Dis., v. 2 (2), 93-97
Cryptocaryon irritans, effect of temperature and salinity on reproductive cycle

Temperature
Chowaniec, W.; and Markiewicz, K., 1970, Acta Parasitol. Polon., v. 18 (1-12), 25-32
Fasciola hepatica, course of experimental infections in rabbits in relation to age of metacercariae and temperature at which snail intermediate hosts have been maintained, latter considered to be a factor in virulence of metacercariae but not former

Temperature
Christensen, B. M.; and Hollander, A. L., 1978, Proc. Helminth. Soc. Washington, v. 45 (1), 115-119
Dirofilaria immitis in Aedes trivittatus (exper.), effect of different temperatures on developmental rate, intensity of infection, and infection rate

Temperature
Cooper, C. L.; Crites, J. L.; and Sprinkle-Fastkie, D. J., 1978, J. Parasitol., v. 64 (1), 102-107
Eustrongylides tubifex, third and fourth stage larvae, prevalence and intensity in various age/size classes of fish hosts with possible factors responsible for results, site selection, emergence behavior in relation to temperature as possible adaptation to facilitate rapid infection of definitive warm-blooded host upon ingestion of infected fish

Temperature
Dalgliesh, R. J.; and Stewart, N. P., 1978, Austral. Vet. J., v. 54 (9), 453-454 [Letter]
Babesia bigemina, B. bovis, development, in incubated Boophilus microplus eggs, and B. bigemina in unfed larval ticks held at 37°C, infectivity for calves, results indicate that high environmental temperature may be only stimulus required for development of infective Babesia within the tick

Temperature
Dalgliesh, R. J.; and Stewart, N. P., 1979, Internat. J. Parasitol., v. 9 (2), 115-120
Babesia bovis, morphology, development, and infectivity for cattle of parasites in unfed Boophilus microplus larvae after incubation at various temperatures

Temperature
Davey, J. T.; Gee, J. M.; and Moore, S. L., 1978, Marine Biol., v. 45 (4), 319-327
Mytilicola intestinalis in Mytilus edulis, population dynamics, parasite maturation and breeding, seasonal variation, mortality, environmental temperatures are believed to control parasite developmental cycle: Lynher River, Cornwall, England

Temperature
Davydov, O. N., 1971, Parazitologiia, Leningrad, v. 5 (3), 237-240
Ascaris suum, changes in motor activity in relation to temperature, effect primarily on musculature and secondarily on nervous system

Temperature
Davydov, O. N., 1978, Gidrobiol. Zhurnal, v. 14 (4), 70-77
Bothriocephalus gowkongensis in cyprinid fishes, growth, development, and fertility in relation to temperature, host age and diet, and intensity of invasion

Temperature
Delgado, A.; and Fregel, N., 1977, Rev. Cubana Cien. Vet., v. 8 (1), 53-64
dictyocaulosis, bovine, foci, monthly occurrence, mortality, rainfall levels, temperature: Cuba

Temperature
Dive, D.; et al., 1978, Ann. Microbiol., v. 129 B (2), 225-244
"Limax" amoebae in swimming pools, water purification systems, associated bacterial flora, temperature, pathogenicity to mice: North of France

Temperature
Doube, B. M., 1975, J. Med. Entom., v. 12 (2), 240-243
Ornithodoros gurneyi, laboratory rearing technique, feeding and detaching, molting and development, mating and oviposition, reproductive diapause, effects of temperature, photoperiod, and pressure

Temperature
Doube, B. M.; and Kemp, D. H., 1979, Internat. J. Parasitol., v. 9 (5), 449-454
Boophilus microplus, attachment and survival of larvae on skin slices in vitro, influence of temperature, relative humidity, and host factors

Temperature
Dusbabek, F.; Daniel, M.; and Cerny, V., 1971, Folia Parasitol., v. 18 (3), 261-266
Ixodes ricinus, vertical stratification of overwintering engorged larvae in soil

Temperature
Dykova, I.; and Lom, J., 1978, J. Fish Biol., v. 12 (3), 197-202
Henneguya spp., developmental stages in hosts, histopathological changes in fish gill, inflammatory reaction may be a temperature dependent immune response: South Bohemia

Temperature
Elsey, K. D., 1977, Canad. Entom., v. 109 (9), 1283-1285
Howardula sp., rate of dissemination of juveniles by adult Epitrix hirtipennis at two temperatures, no significant difference between the total number of juveniles released from male vs. female beetles, sex ratio of released juveniles highly in favor of females: Oxford, North Carolina

Temperature
Evans, N. A., 1978, J. Zool., London, v. 184 (2), 143-153
Asymphylodora kubanicum, occurrence in Bithynia tentaculata (intermediate host) and Rutilus rutilus (intestine) (definitive host), seasonal variation, age of definitive host; annual cycle of occurrence and maturation in roach due primarily to host feeding habits and water temperature: Worcester-Birmingham canal 1 km south of Stoke Works, Bromsgrove

Temperature
Farquhar, A. S.; Anthony, W. B.; and Ernst, J. V., 1979, J. Animal Sc., v. 49 (5), 1331-1336
Eimeria bovis oocysts in manure-blended diet, adequate ensiling prevents sporulation

Temperature
Fetterer, R. H.; et al., 1978, Exper. Parasitol., v. 46 (1), 59-71
Schistosoma mansoni, physical and chemical factors affecting mechanical properties of adult male musculature in vitro (incubation media, buffers, temperature, osmolality, pH, ions), improvements in system for recording motor activity; results indicate that S. mansoni musculature is similar to smooth muscle found in mammals

Temperature
Figueiredo, Y. P.; et al., 1976, Rev. Inst. Med. Trop. S. Paulo, v. 18 (5), 306-314
Leishmania spp. culture forms, behaviour, nutrition, respiration, and metabolism compared in new liquid culture medium

Temperature
Fowler, J. L.; and Reeves, E. L., 1975, J. Invert. Path., v. 25 (3), 349-353
Nosema necatrix, in vivo propagation in Trichoplusia ni or Heliothis zea, effect of inoculum, temperature, and host type and age

Temperature
Galloway, T. D.; and Brust, R. A., 1976, Manitoba Entom., v. 10, 18-25
Romanomermis culicivorax, field application for control of Aedes spp., poor results due primarily to low spring temperatures: Manitoba

Temperature
Gatapia, S. L.; et al., 1976, Philippine J. Vet. and Animal Sc., v. 2 (2), 84-88
Trypanosoma evansi, longevity in artificial medium at room and refrigerator temperatures

Temperature
Gerasimova, N. G., 1971, Parazitologiia, Leningrad, v. 5 (2), 137-139
Xenopsylla skrjabini, X. nuttalli, females, rate of maturation (as assessed by darkening of spermatheca) depends upon number of feedings and environmental temperature

Temperature
Gerasimova, N. G.; and Gavrikova, E. A., 1970, Parazitologiia, Leningrad, v. 4 (4), 385-388
Xenopsylla skrjabini, X. nuttalli, longevity of males and females at different temperatures and humidities under laboratory conditions

Temperature
Gold, D.; and Goldberg, M., 1977, Israel J. Zool., v. 25 (4), 1976, 178-185
Fasciola hepatica, separate and combined effect of light and temperature on hatching of eggs

Temperature
Goldenstein, N.; Bunke, V.; and Buerger, H. J., 1978, Berl. u. Munchen. Tierarztl. Wchnschr., v. 91 (14), 286-289
Ostertagia, Trichostrongylus, Haemonchus, Nematodirus, sheep, development and survival of third-stage larvae on paddocks after summer and autumn contamination dependent upon ground temperature; overwintering of all four genera until start of next grazing season

Temperature
Golubkov, V. I., 1978, Veterinariia, Moskva (5), 98-99
S[arcocystis] fusiformis, viability in meat and meat products in relation to temperature and salting

Temperature
Grabda-Kazubska, B., 1974, Acta Parasitol. Polon., v. 22 (22-34), 285-293
Clinostomum complanatum, description, presence of larval stage in an artificially warmed lake suggests possibility of acclimatization of parasites brought occasionally to more northern areas by avian hosts during seasonal migration: Poland

Temperature
Grant, D.; and Woo, P. T. K., 1978, Canad. J. Zool., v. 56 (6), 1360-1366
Giardia spp. in small mammals, comparative studies, results suggest host specificity of some spp., infectivity of stored cysts varies with temperature, lack of prophylactic effect in rats treated with metronidazole or quinacrine hydrochloride

Temperature
Gray, J. S.; Turley, T.; and Strickland, K. L., 1978, Irish Vet. J., v. 32 (2), 25-34
Ixodes ricinus, ecology, comparison of 2 methods of population assessment (blanket dragging and counts on sheep), seasonal activity appears to be independent of weather; no correlation between tick activity and redwater fever, strong correlation between redwater fever incidence and air temperature: Co. Wicklow, Ireland

Temperature
Hafez, M.; and Hilali, M., 1978, Vet. Parasitol., v. 4 (3), 275-288
Hippobosca longipennis, biology in Egypt, laboratory observations: adult emergence, feeding mechanism, frequency and amount of blood meal, tolerance to starvation, sexual maturity, mating behavior, sex ratio, intrauterine larval development, larviposition and description of 3rd larval stage, adult longevity and fecundity, description of pupa, pupal duration (effect of temperature, relative humidity, and host)

Temperature
Hafez, M.; Hilali, M.; and Fouda, M., 1977, Ztschr. Ang. Entom., v. 83 (4), 426-441
Hippobosca equina, field-collected and laboratory-reared on guinea pigs, biology, adult males vs. females (feeding, longevity of starved adults in 2 seasons, longevity of normal adults and fecundity in 2 seasons, effect of presence of males on fecundity of females, sexual maturation, sex ratio); larval stage (larviposition, description, and duration of 3rd larval stage; seasonal intrauterine larval development); pupal stage (duration, effect of temperature and humidity)

Temperature
Hazen, T. C.; and Esch, G. W., 1978, J. Fish Biol., v. 12 (5), 411-420
Clinostomum marginatum in Micropterus salmoides, infection percentages compared in thermal and ambient parts of a reservoir, relationship to body condition and length of host, seasonal changes: Par Pond, near Aiken, South Carolina

Temperature
Heath, A. C. G., 1979, Internat. J. Parasitol., v. 9 (1), 33-39
Haemaphysalis longicornis, Ixodes holocyclus, and Rhipicephalus sanguineus eggs, temperature and humidity preferences

Temperature
Hinton, H. E., 1977, J. Insect Physiol., v. 23 (7), 785-800
Haematopinus suis, functional significance of structures of eggshell, how egg maintains low equilibrium temperature in direct sunlight, brief complementary observations on other Anoplura and some Mallophaga

Temperature
Hoffman, G. L.; et al., 1979, J. Fish Dis., v. 2 (2), 153-157
Chilodonella hexasticha on Ictalurus punctatus and Carassius auratus (gills of both), occurrence at new water temperature optimum, histopathology: North America

Temperature
Holbrook, T. W.; and Parker, B. W., 1979, Am. J. Trop. Med. and Hyg., v. 28 (6), 984-987
Naegleria fowleri incubated on chick embryos, effects of embryo age and temperature on maintenance, infectivity maintained after 25 serial passages

Temperature
Holwill, M. E. J.; and Wais, J., 1979, J. Exper. Biol., London, v. 82, 177-195
Crithidia oncopelti, motile response of flagellum to changes in temperature, pressure, and viscosity of environment, results provide information about mechanochemical cycle which bends flagellum

Temperature
Honzakova, E., 1971, Folia Parasitol., v. 18 (2), 155-159
ticks, survival, submerged in clear water, water containing litter, various temperatures, laboratory experiments

Temperature
Imada, R.; and Muroga, K., 1978, Bull. Japan. Soc. Scient. Fish., v. 44 (6), 571-576
Pseudodactylogyrus microrchis on Anguilla anguilla (gills), influence of water temperature on oviposition, hatching and development of parasite

Temperature
Iunchis, O. N., 1974, Parazitologiia, Leningrad, v. 8 (3), 205-207
Dactylogyrus nasalis on Rutilus rutilus, occurrence in relation to season and host age, localization on host at different stages of infection, life span of worms: Lake Verkhnee Vrevo, Leningrad oblast

Temperature
Iurgenson, I. A.; and Teplykh, V. S., 1971, Parazitologiia, Leningrad, v. 5 (2), 119-127
Ctenophthalmus orientalis, preimaginal phases, effect of temperature and relative humidity on survival and development

Temperature
Janitschke, K.; et al., 1978, Zentralbl. Bakteriol., 1. Abt. Orig., Reihe B, v. 166 (2-3), 244-249
Naegleria, viability of pathogenic strain in water media (public water supply, swimming-pool, inland lake) at various temperatures

Temperature
Jarroll, E. L., jr., 1979, Parasitology, v. 79 (2), 183-193
Bothriocephalus rarus, natural and experimental infections of copepod intermediate hosts, distribution and abundance in adult and larval Notophthalmus viridescens, parasite recruitment by N. viridescens, seasonal cycles in population structure, intensity of infection, maturation, and reproduction, effect of temperature on egg development

Temperature
Johannessen, A., 1978, Sarsia, v. 63 (3), 169-176
Lepeophtheirus salmonis on Salmo salar, morphology of first and second nauplius, behaviour of free-living larval stages, egg-bearing period and developmental time are inversely related to temperature

Temperature
Karna, D. W.; and Millemann, R. E., 1978, J. Parasitol., v. 64 (3), 528-537
Margaritifera margaritifera, comparative susceptibility of 4 species of salmonid fish determined by examination of caged and uncaged (native) fish, parasite development and associated histopathology, glochidia development in mussels in relation to temperature: Siletz River, western Oregon

Temperature
Karpovich, V. N., 1970, Parazitologiia, Leningrad, v. 4 (4), 345-351
Ceratixodes putus,incidence on adult and juvenile birds, distribution of various life cycle stages on host in relation to surface temperatures of various sections of body, dates of attacking behavior and development in relation to temperature and microclimate of habitats: east Murmansk

Temperature
Kaya, H. K., 1977, J. Invert. Path., v. 30 (2), 192-198
Vairimorpha necatrix (potential biological control agent), survival (infectivity) of spores exposed to sunlight, ultraviolet radiation, and high temperature, laboratory and field tests

Temperature
Kerboeuf, D., 1978, Ann. Recherches Vet., v. 9 (1), 153-159
Heligmosomoides polygyrus, mice, infectivity of third-stage larvae, storage time and temperature, larvae lose infectivity when they age , maturation period required for maximum infectivity

Temperature
Kimura, E.; Lay, W. H.; and Fernandes, J. F., 1978, Rev. Inst. Med. Trop. S. Paulo, v. 20 (3), 133-138
Trypanosoma cruzi, in vitro metacyclic trypomastigotes purified from culture develop into amastigotes, multiply and transform into epimastigotes, increasing incubation temperature accelerates appearance of amastigotes but hinders further development

Temperature
Kimura, S.; and Shimizu, A., 1978, Japan. J. Vet. Sc., v. 40 (3), 357-359
Fasciola gigantica, survival of metacercariae on rice plants exposed to various room temperatures and relative humidities for varying lengths of time, infectivity to rabbits (exper.), significance in use of rice stems as cattle feed

Temperature
Knapp, F. W.; et al., 1979, Ann. Entom. Soc. Am., v. 72 (3), 331-333
Gasterophilus intestinalis 3rd instars artificially removed from stomachs of horses at various times of year, viability and maturation potential, effect of holding temperatures, humidity, and instar maturity on rate of development and percent pupation and eclosion

Temperature
Ko, R. C., 1977, Canad. J. Zool., v. 55 (7), 1129-1132
Echinocephalus sinensis from Crassostrea gigas acclimated in laboratory to various temperatures, successful experimental infection of kittens and number of worms found in tissues appear to be directly temperature dependent

Temperature
Kosminskii, R. B.; et al., 1979, Vestnik Zool., Akad. Nauk Ukrainsk. SSR, Inst. Zool. (2), 48-53
Amphipsylla rossica, ecology, field and laboratory studies: feeding, reproduction, development, survival, and longevity under various conditions of temperature and humidity; age composition and physiological state of populations in different months; abundance on Microtus arvalis and in its nests and burrow entrances in different months: Transcaucasian highlands

Temperature
Kulemina, I. V., 1977, Vestnik Leningrad. Univ. (9), s. Biol. (2), 12-18
Gyrodactylus sp., size of anchors and marginal hooks on opisthaptor, seasonal variation, dependence on water temperature, natural and experimental evidence

Temperature
Kunstyr, I.; and Ammerpohl, E., 1978, Lab. Animals, v. 12 (2), 95-97
Spironucleus muris, faecal cysts, resistance to physical and chemical factors tested, data may be useful for control of infection in rodents and for cryopreservation of parasite

Temperature
Lengy, J., 1974, Israel J. Zool., v. 22 (2-4), 1973, 75-82
Strongyloides ratti filariform larvae, albino rats (exper.), viability and infectivity after exposure to various temperature regimes

Temperature
Lugo-Hernandez, A., 1973, Rev. Brasil. Biol., v. 33 (4), 561-573
Trypanosoma cruzi, comparison of growth and development in 199 medium with inactivated calf serum or with chicken embryo cells at 37° and 33° C

Temperature
Macdonald, S.; and Combes, C., 1978, Chronobiologia, v. 4 (3), 277-285
Polystoma integerrimum from Rana temporaria, hatching rhythm of oncomiracidia under different experimental conditions of light and darkness and temperature

Temperature
McEnroe, W. D., [1973], Acarologia, v. 14 (3), 1972, 365-367
Dermacentor variabilis, adult females, equilibrium weight at near saturation found to be a function of temperature

Temperature
McQuistion, T. E., 1979, Am. J. Trop. Med. and Hyg., v. 28 (1), 12-14
Plasmodium berghei, mice acclimated to 22°C or 5°C before infection, some treated with clofibrate and some briefly exposed to -35°C after infection, parasitemia and plasma free fatty acid levels

Temperature
Madel, G., 1971, Folia Parasitol., v. 18 (1), 85-91
Crivellia silenus, goat, larval stages described, influence of field temperatures on development: Badakhshan, Afghanistan

Temperature
Majumdar, G., 1969, Atas Soc. Biol. Rio de Janeiro, v. 12 (4), 185-186
Africana bufonis, in vitro survival with different pH values and at different temperatures

Temperature
Marsden, P. D.; Shelley, A. J.; and Armitage, P., 1979, Tr. Roy. Soc. Trop. Med. and Hyg., v. 73 (4), 458-459
Dermatobia hominis, survey of lesions in Zebu cow hides of different colors, possible explanation (involving thermal gradient) for higher parasite distribution in dark colored hides: Brazil

Temperature
Meyer, E. A., 1979, Environment. Protect. Technol. Ser. (EPA-600/2-79-063), 28 pp.
Giardia, concentration and purification of cysts from feces, induction of and determination of factors involved in excystation, effect of various storage temperatures on survival as determined by cultural excystation method

Temperature
Michel, J. F.; Lancaster, M. B.; and Hong, C., 1978, J. Comp. Path., v. 88 (1), 131-136
Ostertagia ostertagi, Cooperia oncophora, arrested development, seasonal effects on conditioning and deconditioning of infective larvae were minimal

Temperature
Michel, R.; and Hohmann, R., 1979, Ztschr. Parasitenk., v. 60 (2), 123-133
Entamoeba histolytica, attachment to glass surfaces at different temperatures and pH values and in presence of cytochalasin B, colchicine, and vinblastine

Temperature
Mirzoeva, L. M., 1972, Parazitologiia, Leningrad, v. 6 (3), 252-258
Sinergasilus lieni, life cycle and biology: description of developmental stages, rate of development, duration of life, numbers of generations, incidence and intensity on fish hosts, effect of temperature and hydrochemical conditions: Moskovsk oblast; Krasnodarsk kraia

Temperature
Misra, S. C., 1978, Indian J. Animal Sc., v. 48 (4), 322-323
Haemonchus contortus, survival of infective larvae at various temperatures, laboratory conditions

Temperature
Moeller, H., 1978, J. Fish Biol., v. 12 (4), 311-323
fish parasites, effects of salinity and temperature on development and survival of parasitic and free-living stages

Temperature
Moyou-Somo, R.; et al., 1978, Compt. Rend. Acad. Sc., Paris, v. 286, s. D, Sc. Nat. (12), 993-996
Plasmodium berghei berghei, mice infected and maintained in hot ambient temperature undergo chronic infection whereas controls at laboratory temperature develop acute and lethal infection, the hot environmental temperature does not seem to affect the parasites' pathogenicity but to stimulate host immune defenses

Temperature
Moyou-Somo, R.; et al., 1978, Compt. Rend. Acad. Sc., Paris, v. 286, s. D, Sc. Nat. (18), 1315-1317
Plasmodium berghei berghei in mice maintained at high temperature (35°C), certain parasites (less than 30%) show atypical morphology (gigantism), amount of DNA is higher than in parasites from mice grown at 20-22°C, no evidence of relationship between increase in DNA and morphological modification

Temperature
Neves, D. P., 1971, Rev. Inst. Med. Trop. S. Paulo, v. 13 (3), 155-161
Trypanosoma cruzi, effects of low and high temperatures on development in triatomines

Temperature
Ni, G. V., 1973, Parazitologiia, Leningrad, v. 7 (1), 75-78
leptomonads, differentiation of pathogenic (Leishmania tropica major) from non-pathogenic strains by their reaction to increased incubation temperatures in vitro

Temperature
Nigrelli, R. F.; Pokorny, K. S.; and Ruggieri, G. D., 1976, Tr. Am. Micr. Soc., v. 95 (4), Finley Mem. Issue, pt. 2, 607-613
Ichthyophthirius multifiliis and other 'Ich-like' parasites of freshwater fishes appear to be limited in distribution and infectivity by temperature tolerances of their hosts, possible existence of multiple physiological races or even species possibly in more than one genus

Temperature
Nollen, P. M.; Samizadeh-Yazd, A.; and Snyder, D. E., 1979, J. Parasitol., v. 65 (5), 772-776
Philophthalmus spp., longevity and hatchability of miracidia, effects of salinity, pH, and temperature

Temperature
Norval, R. A. I., 1978, J. Parasitol., v. 64 (5), 910-917
Amblyomma hebraeum, repeated feeding on rabbits and sheep, tick yield, engorged weight, and engorgement period, no acquisition of resistance by host, seasonal fluctuations in engorged weights appear to be due to changes in host physiology as result of low temperature acclimatization, tick yield is determined by amount of host grooming, feeding periods of larvae and nymphs are dependent on host skin temperature

Temperature
Novak, M., 1978, Experientia, v. 34 (9), 1149
Taenia crassiceps, heat- and cold-stressed mice harbored significantly less cysticerci than controls, effect more pronounced in heat-stressed than in cold-stressed animals and more in males than in females, results show that environmental temperature affects growth of cysticerci in mice

Temperature
Novak, M., 1979, Internat. J. Parasitol., v. 9 (5), 429-433
Mesocestoides corti in mice of both sexes, effect of environmental temperature on intraperitoneal tetrathyridial populations and on liver weight and infection

Temperature
Nwosu, A. B. C., 1978, Ztschr. Parasitenk., v. 56 (3), 243-249
Ancylostoma tubaeforme, free-living phase, roles of temperature, pH, salinity, and lipid content in development

Temperature
Nwosu, A. B. C., 1978, Bull. Animal Health and Prod. Africa, v. 26 (1), 49-53
Ancylostoma tubaeforme, eggs and third-stage larvae, survival of desiccation under defined relative humidities at high temperatures in the laboratory

Temperature
Nwosu, A. B. C., 1979, J. Helminth., v. 53 (3), 223-228
Ancylostoma tubaeforme, 3rd stage infective larvae, relationship between neutral lipid depletion and longevity/survival, effect of various environmental stresses (temperature, pH, anaerobiosis)

Temperature
Ørnbjerg Christensen, N.; Frandsen, F.; and Nansen, P., 1979, Ztschr. Parasitenk., v. 59 (3), 267-275
Schistosoma mansoni cercariae, mice, host-penetrative capacity under selected environmental exposure conditions and in relation to some parasite- and final-host-related factors

Temperature
Okulova, N. M., 1978, Ekologiia, Sverdlovsk (2), 44-48
ixodid ticks, vertical and horizontal movements in forest conditions, dependent upon air temperature and humidity

Temperature
Olson, J. G., 1979, Trop. and Geogr. Med., v. 31 (4), 519-524
Leptotrombidium deliense, emergence of larval chiggers correlated with daily maximum atmospheric temperatures to forecast onset of scrub typhus epidemic: Pescadores Islands of Taiwan

Temperature
Osipova, N. Z., 1974, Entom. Issled. Kirgizii, 98-100
Steatonyssus musculi, influence of temperature and humidity on viability

Temperature
Patrick, C. D.; and Hair, J. A., 1979, Ann. Entom. Soc. Am., v. 72 (2), 308-312
Amblyomma americanum, oviposition behavior and larval longevity in 4 different habitats, preoviposition time and egg incubation temperature dependent

Temperature
Petersen, J. J., 1979, Southwest. Entom., v. 4 (1), 65-69
Romanomermis culicivorax, longevity of laboratory cultures extended by low temperatures, mass rearing techniques

Temperature
Petrelli, G.; and Crestini, A. M., 1976, Parassitologia, v. 18 (1-3), 85-94
Ixodes ricinus, Hyalomma marginatum, effect of different combinations of temperature and humidity on oviposition

Temperature
Pilley, B. M., 1976, J. Invert. Path., v. 28 (2), 177-183
Vairimorpha necatrix [n. comb.] in Spodoptera exempta, pathogenicity (occurrence of bacteriosis and cytoplasmic polyhedrosis virus), life cycle (disporoblastic life cycle at 25°C and both disporoblastic and octosporoblastic life cycle at 20°C), implications of polymorphism in relation to classification of Microsporida

Temperature
Pilley, B. M., 1978, J. Invert. Path., v. 31 (3), 341-344
Vairimorpha necatrix, storage of infective spores in antibiotic solution at 4°C

Temperature
Prieto, R.; Cueto, J.; and Rivera, E., 1978, Rev. Cubana Cien. Vet., v. 9 (1), 15-23
Gasterophilus spp., horses, monthly dynamics, influence of different climatic factors: Havana province, Cuba

Temperature
Pye, A. E.; and Burman, M., 1978, Exper. Parasitol., v. 46 (1), 1-11
Neoaplectana carpocapsae (potential biological control agent) in Hylobius abietis: dose-mortality and concentration-mortality studies, nematode dispersal, invasion route, host mortality in relation to temperature and to insect stage and condition; nematode reproduction, optimal temperature

Temperature
Rep, B. H.; and Bos, R., 1979, Tijdschr. Diergeneesk., v. 104 (19), 747-758
Uncinaria stenocephala, dogs (exper.), worm population and topographical distribution in host intestine, prepatent and patent period, rhythm of daily worm-egg counts; egg and larval survival at low temperatures; natural infections in foxes and experimental cross-infections between dogs and foxes, epidemiological implications: Netherlands

Temperature
Ribbeck, R.; and Steinhardt, M., 1973, Ang. Parasitol., v. 14 (4), 199-207
Psoroptes cuniculi-infected (exper.) vs. uninfected Oryctolagus cuniculus 'famil.', measurements of skin temperature, rectal temperature, heart rate, and respiratory frequency under thermoneutral conditions

Temperature
Riccetti, R. V., 1975, Rev. Fac. Med. Vet. e Zootec. Univ. S. Paulo, v. 12, 247-258
Cysticercus cellulosae, in vitro evagination, comparison of several artificial media, optimal temperature

Temperature
Riccetti, R. V.; Panetta, J. C.; and Barbuto, O. J. M., 1977, Rev. Fac. Med. Vet. e Zootec. Univ. S. Paulo, v. 14 (1), 113-122
Cysticercus cellulosae in swine meat fragments, effect of refrigeration temperature and salt on viability

Temperature
Robertson, D. A., 1979, J. Fish Dis., v. 2 (6), 481-491
Ichtyobodo necator on farmed salmonids, prevalence and intensity in relation to time, temperature, and host age; suggested that some form of host defense mechanism is operating: central Scotland

Temperature
Rojo-Vazquez, F. A., 1976, Rev. Iber. Parasitol., v. 36 (3-4), 249-255
Trichostrongylus axei, T. colubriformis, effect of temperature on development of preparasitic stages, controlled conditions; behavior of both species similar, but developing stages of T. axei had greater ability to withstand adverse conditions

Temperature
Rondelaud, D.; and Barthe, D., 1978, Ann. Parasitol., v. 53 (2), 201-213
Fasciola hepatica, development of redial generations in Lymnaea truncatula in relation to temperature, desiccation of habitat, and host body size

Temperature
Rumiantsev, E. A., 1972, Parazitologiia, Leningrad, v. 6 (5), 416-418
Dactylogyrus populations on Rutilus rutilus, effect of annual changes in water temperature on time of infection peak: Kuito lakes, northern Kareliia

Temperature
Rupasinghe, D.; and Ogbourne, C. P., 1978, Ztschr. Parasitenk., v. 55 (3), 249-253
strongylid nematodes of horse, free-living stages, effect of temperature on hatching time and development rates

Temperature
Sankurathri, C. S.; and Holmes, J. C., 1976, Canad. J. Zool., v. 54 (10), 1742-1753
parasites and commensals (Oligochaeta and larval Digenea) of Physa gyrina in control area vs. area affected by thermal effluents, prevalence, seasonal changes, interactions (including ingestion of cercariae by oligochete), ecological model: Lake Wabamun, Alberta

Temperature
Schlueter, U., 1978, Zool. Anz., Jena, v. 200 (1-2), 85-91
Argulus foliaceus, localization on integument of Xiphophorus helleri and occurrence of free-swimming parasites in relation to water temperature and to parasite age and sex

Temperature
Shadduck, J. A.; and Polley, M. B., 1978, J. Protozool., v. 25 (4), 491-496
Encephalitozoon cuniculi, propagation in vitro using rabbit choroid plexus (RCP) cells, some factors influencing infectivity and replication (passage level of organisms; passage level, age, and source of RCP cells; antibiotics; storage time and temperature including freezing; elevated temperature; chemical disinfectants; centrifugation; physical and chemical treatments)

Temperature
Sinha, R. P.; and Dubey, R. K., 1978, Indian Vet. J., v. 55 (5), 372-376
Anaplasma marginale outbreak in non-preimmune Jersey cattle imported from United States and Denmark to farm in Bihar, clinical symptoms and pathological findings, epizootiological factors responsible for outbreak (high ambient temperature, stress of vaccination for rinderpest virus, presence of tick vectors), control achieved through chemotherapy of sick and healthy animals, removal of vectors, and housing in cool sheds; outbreaks in exotic herds could be avoided if cattle were imported in early winter: India

Temperature
Slepnev, N. K.; and Zen'kov, A. V., 1973, Vet. Nauka--Proizvod., Trudy, Minsk, v. 11, 135-137
E[chinococcus] granulosus, protoscolices, destructive action of high and low temperatures; lysol and creolin most destructive of chemicals tested

Temperature
Smith, H. J., 1978, Canad. J. Comp. Med., v. 42 (3), 332-339
Cooperia oncophora, calves (exper.), larvae conditioned at certain temperatures prior to infection had inhibited development, photoperiod or presence of light prior to infection did not affect development

Temperature
Sood, M. L.; and Kaur, C., 1976, Riv. Parassitol., Roma, v. 37 (1), 13-33
Haemonchus contortus utkalensis in goats, vulvar configurations, 17 variants identified among 3 phenotypes, seasonal occurrence in relation to temperature and humidity, order of dominance is knobbed > linguiform > smooth except in July when it is knobbed > smooth > linguiform: Ludhiana, India

Temperature
Soroczan, W., 1977, Acta Parasitol. Polon., v. 24 (20-27), 259-267
Strongyloides stercoralis, life cycle, larval survival and development under different conditions of temperature, humidity, and pH in soil, water, feces, hogwash, and cow dung, potential for transmission under climatic conditions of Poland

Temperature
Stenram, H., 1972, Ang. Parasitol., v. 13 (4), 246-247
Columbicola columbae, survival at low temperatures

Temperature
Stoianov, P.; et al., 1978, Vet. Med. Nauki, v. 15 (8), 105-114
E[imeria] tenella, broiler chickens, varied temperature and moisture regimes, blood biochemistry, host resistance, efficacy of pancoxin plus

Temperature
Stradowski, M., 1974, Acta Parasitol. Polon., v. 22 (35-44), 415-422
Amidostomum anseris, eggs and larvae, development, resistance to various temperatures and desiccation under laboratory conditions

Temperature
Stradowski, M., 1975, Acta Parasitol. Polon., v. 23 (26-40), 373-379
Amidostomum anseris, development and viability of eggs and larvae during winter and early spring under field conditions: central Poland

Temperature
Strazhnik, L. V.; and Davydov, O. N., 1975, Parazitologiia, Leningrad, v. 9 (1), 37-46
3 spp. of fish cestodes, glycogen content of parasites and host tissues, seasonal changes in glycogen content of parasites; effect of experimental exposure to various temperatures on parasite glycogen content, motor activity, and duration of life; effect of starvation on glycogen content of parasite and host in aquariums at various temperatures

Temperature
Sukhanova, K. M.; and Poznanskaia, T. M., 1972, Parazitologiia, Leningrad, v. 6 (3), 216-221
Trichomonas spp. of rodents, resistance to high and low temperatures

Temperature
Sumnaliev, P.; and Vasilev, I., 1976, Khelmintologiia, Sofiia, v. 1, 88-98
Paramphistomum microbothrium, effect of temperature, ultraviolet rays, and X-ray on development of eggs; miracidia hatch in dark but light has strong stimulating effect

Temperature
Ternovoi, V. I., 1978, Entom. Obozr., v. 57 (3), 481-487
Wohlfahrtia magnifica, pupal diapause, autumn temperatures and photoperiod as factors, practical importance of stronger autumn control measures to prevent population buildup

Temperature
Tukahirwa, E. M., 1976, Bull. Entom. Research, v. 66 (2), 301-312
Rhipicephalus appendiculatus, temperature, humidity, and vegetation, effects on development and survival

Temperature
Uhazy, L. S., 1977, Canad. J. Zool., v. 55 (2), 265-273
Philometroides huronensis, morphology, growth, and development of larval stages in copepods, transmission to Catostomus commersoni held at controlled temperatures and photoperiods

Temperature
Urdaneta-Morales, S.; and Rueda, I. G., 1977, Rev. Inst. Med. Trop. S. Paulo, v. 19 (4), 241-250
Trypanosoma cruzi, Venezuelan strain vs. Brazilian strain, factors influencing adaptation, development, and multiplication in local race of Rhodnius prolixus vectors (laboratory strain originally from state of Guarico, Venezuela)

Temperature
Valenzuela, G., 1979, Bol. Chileno Parasitol., v. 34 (1-2), 31-35
Fasciola hepatica eggs from bile of infected bovines, viability and survival as affected by in vitro development in outdoor temperatures: Valdivia, Chile

Temperature
Valle, C. M.; Pellegrino, J.; and Alvarenga, N., 1973, Rev. Inst. Med. Trop. S. Paulo, v. 15 (4), 195-201
Schistosoma mansoni cercariae, circadian rhythmic emergence from Biomphalaria glabrata, influences of light and temperature

Temperature
Vasil'eva, I. S., 1976, Med. Parazitol. i Parazitar. Bolezni, v. 45 (1), 42-49
Ornithodoros tartakovskyi, numbers in burrows of various animals, determining ecological factors: southern Tadzhikistan

Temperature
Vasil'eva, I. S., 1976, Med. Parazitol. i Parazitar. Bolezni, v. 45 (2), 204-209
Ornithodoros tartakovskyi, summer distribution in porcupine or terrapin burrows, temperature and humidity conditions: southern Tadzhikistan

Temperature
Vorhees, J. T.; and Schwartz, F. J., 1979, Tr. Am. Fish. Soc., v. 108 (2), 191-196
Lernaeenicus radiatus on Brevoortia tyrannus and Micropogon undulatus, attachment site, seasonality, abundance, and incidence in relation to water temperature and salinity variations: Cape Fear River, North Carolina

Temperature
Waller, T., 1979, Lab. Animals, v. 13 (3), 227-230
Encephalitozoon cuniculi, survival of spores after exposure to various temperatures and disinfectants; growth-inhibition effect of drugs in cell cultures

Temperature
Wharton, D. A., 1979, Exper. Parasitol., v. 48 (3), 398-406
Ascaris lumbricoides, eggs, effect of humidity on embryonic development, rate of water loss during desiccation, effect of temperature on water loss

Temperature
Wilson, R. A.; and Taylor, S. L., 1978, Parasitology, v. 76 (1), 91-98
Fasciola hepatica in Lymnaea truncatula, curvilinear relationship between miracidial density and snail density as manifested by successful establishment of an infection in snail host, level of parasitization not related exponentially to temperature, depth of free water overlying mud surface was absolute requirement for miracidia to successfully infect snails

Temperature
Wyatt, E. J., 1978, J. Fish Dis., v. 1 (3), 233-240
Myxobolus insidiosus in Oncorhynchus tshawytscha, epizootiology, factors affecting prevalence of infection in naturally contaminated waters, no infection could be induced in susceptible fish in disease free water supply: Oregon

Temperature
Yamaura, H., 1976, Kiseichugaku Zasshi (Japan. J. Parasitol.), v. 25 (2), 80-86
Toxoplasma oocysts, No. 1 and Fukaya strains, effects of low temperature and dryness on viability

Temperature
Young, A. S.; Leitch, B. L.; and Omwoyo, P. L., 1979, Vet. Rec., v. 105 (23), 531-533
Theileria parva, induction of infective stages in salivary glands of infected unfed Rhipicephalus appendiculatus by exposure of ticks to high temperature, epidemiological significance

Temperature
Zembrzuski, K., 1970, Acta Parasitol. Polon., v. 18 (13-26), 231-244
Ascaris lumbricoides suis, guinea pigs, mean body weights and body temperatures during larval migration, numbers of larvae found in liver were slight in comparison with numbers found in lungs, abnormal migration pathway in abnormal host

Temperature
Zolotova, S. I.; and Afanas'eva, O. V., 1971, Parazitologiia, Leningrad, v. 5 (4), 364-368
Ctenophthalmus dolichus, rate of development in relation to temperature and humidity

Temperature
Zolotova, S. I.; and Iakunin, B. M., 1973, Parazitologiia, Leningrad, v. 7 (1), 24-30
Pulex irritans, rate of development under different experimental conditions of temperature and humidity

Temperature
Zolotova, S. I.; Maslennikova, Z. P.; and Afanas'eva, O. V., 1978, Zool. Zhurnal, v. 57 (11), 1663-1667
Xenopsylla, numbers of generations in northern desert subzone, overlapping of generations, overwintering: Bakanassk GMS

Temperature
Zurliiski, P., 1978, Vet. Med. Nauki, v. 15 (7), 107-116
Nematodirus spathiger eggs and larvae in water, dry, and in feces, effects of freezing or high temperatures

Teratisms. See Anomalies.

Teratology. See Anomalies.

Terminology
Baker, J. R.; et al., 1978, Bull. World Health Organ., v. 56 (3), 467-480
salivarian trypanosomes, definitions and nomenclature, relationship of characterized populations to Linnaean taxa, maintenance of reference collections, documentation of reference collections, proposals

Terminology
Joyner, L. P.; et al., 1978, Parasitology, v. 77 (1), 27-31
coccidia, particularly of the genus Eimeria, proposed terminology which provides for discussion of variation at infrasubspecific levels, guidelines for designation of strains and lines

Terminology
Kisielewska, K., 1978, Kosmos, Warsaw (154), s. A, Biol., v. 27 (5), 493-516
ecological parasitology, relationships among host, parasite, and environment, terminology, methods of study, various international programs, extensive review

Terminology
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Toxicity
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Toxicity
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Toxicity
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malaria, chloroquine-induced haemolysis and acute renal failure in children with glucose-6-phosphate dehydrogenase deficiency

Toxicity
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Toxicity
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Toxicity
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Toxicity
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Toxicity
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Toxicity
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effect of trimethoprim-sulfamethoxazole on hematological recovery after total body irradiation and autologous marrow transmission studied in dogs, results show that drug can be given safely and probably prevents very early cases of Pneumocystis carinii pneumonia

Toxicity
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Toxicity
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Toxicity
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Toxicity
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Toxicity
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Toxicity
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trichomonal vaginitis, treatment of patient and consort, metronidazole, single dose at various dosage levels, some side effects

Toxicity
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Toxicity
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Toxicity
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Giardia lamblia, humans, evaluation of efficacy of single dose therapy with tinidazole, test findings of high cure rate with low side effects observed, recommended for both individual and mass therapy: Iran

Toxicity
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Schistosoma mansoni, symptomatic pyschosis in 2 persons who had received hycanthone treatment for schistosomiasis, case reports: Brazil

Toxicity
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sicca complex and cholestatic jaundice in 2 family members after thiabendazole treatment for pinworms

Toxicity
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Schistosoma mansoni, S. haematobium, S. japonicum, oxamniquine, efficacy and toxicity in various exper. animals, clinical trials in humans

Toxicity
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bovine coccidiosis, review, emphasis on prevention and control; field tests, decoquinate against Eimeria bovis and E. zuernii prevented clinical signs of disease with no observable signs of toxicity

Toxicity
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Toxicity
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Fasciola hepatica-infected and uninfected sheep treated and not treated with 3 fasciolicides (fasciolin, distolon, and zanil), blood serum levels of Ca, P, Na, K, and Mg

Toxicity
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Toxicity
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[Schistosoma] mansoni, human, hycanthone, hepatic failure and death, case report, pathologic findings

Toxicity
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disseminated intravascular coagulation with haemolytic anaemia and thrombocytopenia, fatal illness in man probably caused by malarial prophylaxis (pyrimethamine and chlorguanide): Johannesburg, South Africa (from Zambia)

Toxicity
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schistosomiasis, humans, hepatitis and other hepatic pathology after hycanthone therapy

Toxicity
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morphologic changes of rat type II pneumocytes induced by oxytetracycline, may be important in interpreting studies of experimental infections with Pneumocystis carinii

Toxicity
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oxyuriasis, man with terminal renal failure receiving long-term hemodialysis, severe toxic reaction from piperazine therapy, case report; piperazine contraindicated in patients with renal failure

Toxicity
Guerra, M. de O.; et al., 1974, Rev. Ginec. e Obst., Sao Paulo, v. 131 (9-10), 241-245
administration of schistosomal drug hycanthone to lactating rats, offspring had decreased liver weight and evidence of liver damage, possible excretion of drug or its metabolites into mother's milk or alteration of milk metabolism by drug

Toxicity
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levamisole phosphate, Anas platyrhynchus and mixed group of waterfowl, effectiveness in reducing fecal egg count, toxicity

Toxicity
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acute toxicity of mercuric chloride and pentachlorophenol to Channa gachua

Toxicity
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vaginal trichomoniasis, patients, metronidazole, no chromosome-breaking activity was found, safe drug for short-term treatment

Toxicity
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metronidazole exhibits no cytogenetic effect in micronucleus test in mice or on human lymphocytes in vitro

Toxicity
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T[richomonas] vaginalis, human, metronidazole treatment, absence of lymphocyte chromosomal damage

Toxicity
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Toxicity
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deaths in cattle after administration of large doses of thiabendazole

Toxicity
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Eperythrozoon suis, swine, clinical signs of infection confirmed by indirect hemagglutination and measuring packed cell volume; oxytetracycline and arsanilic acid combined with lice control, arsenic toxicosis

Toxicity
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Schistosoma mansoni, fever in oxamniquine-treated patients, cause uncertain

Toxicity
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death of two Hereford-cross bullocks following cambendazole dosing

Toxicity
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severe megaloblastic anaemia, woman treated with daily dosage of maloprim

Toxicity
Iamov, V. Z., 1977, Veterinariia, Moskva (9), 64-67
[Hypoderma], cattle, ricifon effective, no toxic effects; toxicity tested in white mice; tissues of calves and cow's milk tested for residues

Toxicity
Islam, N.; and Hasan, M., 1978, J. Trop. Med. and Hyg., v. 81 (1), 20-22
Entamoeba histolytica, therapeutic efficacy of metronidazole and tinidazole compared in persons with hepatic infections, side effects

Toxicity
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human urinary schistosomiasis, depression of blood cholinesterase activity during therapy with metriphonate, cautions regarding use of suxamethonium during course of schistosomal therapy

Toxicity
Joubert, J. P. J.; and Minne, J. A., 1979, J. South African Vet. Ass., v. 50 (1), 47-48
fenthion, pregnant beef cows, no clinical symptoms of toxicity or abortions observed

Toxicity
Kaemmerer, K.; and Fink, J., 1978, Deutsche Tierarztl. Wchnschr., v. 85 (6), 216-220
monensin-natrium, lasalocid, salinomycin, influence of high dosages on heart of chickens

Toxicity
Kale, O. O.; and Lucas, A. O., 1978, Rev. Inst. Med. Trop. S. Paulo, v. 20 (1), 55-63
Schistosoma haematobium, humans, clinical trials, oral and parenteral oxamniquine, assessment of tolerance and toxicity: Western Nigeria

Toxicity
Kanaev, A. I.; et al., 1977, Veterinariia, Moskva (10), 103-104
diagnosis of phthalophos poisoning of fish

Toxicity
Kaplan, R. J.; Wilkin, J. K.; and Hartman, D. L., 1978, South. Med. J., v. 71 (4), 469-470
cutaneous leishmaniasis, man, sodium antimony gluconate, transient electrocardiogram abnormalities which cleared after termination of therapy: Tennessee (had lived in Central and South America for previous 18 months)

Toxicity
Katz, N.; et al., 1973, Rev. Inst. Med. Trop. S. Paulo, v. 15 supl. 1 (6), 35-40
Schistosoma mansoni, human early phase or chronic infection, oxamniquine, clinical and laboratory aspects, high therapeutic activity and low toxicity

Toxicity
Katz, N.; et al., 1976, Rev. Inst. Med. Trop. S. Paulo, v. 18 (5), 371-377
S[chistosoma] mansoni, humans, clinical trials with oral oxamniquine, side effects: Brazil

Toxicity
Katz, N.; and Pellegrino, J., 1974, Rev. Inst. Med. Trop. S. Paulo, v. 16 (6), 346-353
Schistosoma mansoni, sodium antimony dimethylcysteine tartrate, animal and human trials, toxic side effects and electrocardiographic changes in humans

Toxicity
Keller, H.; and Mueller, R., 1979, Berl. u. Munchen. Tierarztl. Wchnschr., v. 92 (4), 63-65
dichlorvos, trichlorfon, horses, decrease in plasma cholinesterase activity, concluded that relaxation of horses with succinylcholine should not be carried out within 10 days after exposure to organophosphorus type anthelmintics

Toxicity
Kemp, J., 1978, Vet. Rec., v. 102 (21), 467 [Letter]
monensin sodium toxicity from turkey starter ration in young guinea fowl keats

Toxicity
Keystone, J. S., 1978, Am. J. Trop. Med. and Hyg., v. 27 (2, pt. 1), 360-362
Schistosoma mansoni, humans, grand mal seizure and transient electroencephalograph changes associated with oxamniquine therapy, case reports

Toxicity
Khayyal, M. T.; et al., 1977, Egypt. J. Bilharz., v. 4 (2), 149-156
S[chistosoma] mansoni, mice, antimony potassium tartrate therapy given with penicillamine as adjuvant gives same therapeutic results with fewer side effects; ameliorates lipid changes in host but not in parasites

Toxicity
Khayyal, M. T.; et al., 1978, Egypt. J. Bilharz., v. 4 (1), 1977, 89-96
S[chistosoma] mansoni, effect of niridazole on lipid pattern of worms and serum and liver of infected and non-infected mice

Toxicity
Kinnamon, K. E.; Steck, E. A.; and Rane, D. S., 1979, J. Med. Chem., v. 22 (4), 452-455
Trypanosoma rhodesiense, mice, activity of benzyltriphenylphosphonium salts, toxicity at higher dose levels

Toxicity
Koch, R. L.; et al., 1979, Biochem. Pharmacol., v. 28 (24), 3611-3615
appearance of acetamide derived from metronidazole in conventional rats appears to be mediated by intestinal microflora, acetamide is a weak carcinogen

Toxicity
Koch, R. L.; and Goldman, P., 1979, J. Pharmacol. and Exper. Therap., v. 208 (3), 406-410
metronidazole forms N-(2-hydroxyethyl)-oxamic acid, anaerobic metabolism

Toxicity
Kouba, K.; Nevarilova, A.; and Rajlichova, J., 1978, Ceskoslov. Epidemiol., Mikrobiol., Imunol., v. 27 (3), 175-178
toxoplasmosis, human, therapy with septrin, poor results with allergic side effects

Toxicity
Kozhokaru, A. F.; and Topaly, V. P., 1976, Med. Parazitol. i Parazitar. Bolezni, v. 45 (2), 178-183
Fasciola hepatica total and mitochondrial lipids, ox brain total lipids, and ox heart mitochondrial lipids as sources of bimolecular phospholipid membranes in which proton conductivity induced by aromatic sulfides, sulfoxides, and sulfones correlated with their fasciolicidal effects and permitted toxicity evaluation

Toxicity
Krzyzanowski, J., 1977, Polskie Arch. Wet., v. 20 (1), 17-32
zanil, bulls, no negative influence on quality or fertilizing capacity of semen, no teratogenic action in offspring of bulls

Toxicity
Kumar, B. J.; and Gowda, D. K. V., 1978, Indian Vet. J., v. 55 (9), 729-730
theileriasis, dairy cow treated with chloroquine and oxytetracycline, chloroquine toxicity causing corneal opacity and possibly abortion

Toxicity
Laemmler, G., 1977, Pharmakol. u. Toxikol. (Frimmer), 2. ed., 75-106
includes extensive review of antiparasitics used in veterinary medicine, toxicity

Toxicity
Lambert, B.; Lindblad, A.; and Ringborg, U., 1979, Mutation Research, v. 67 (3), 281-287
metronidazole and two of its urinary metabolites, no direct genotoxic effect on human lymphocytes in vitro

Toxicity
Le Bars, H.; and Banting, A. de L., 1979, Med. & Chir. Digest., v. 8 (5), 435-441
Fasciola hepatica, exper. infection in rabbits, sheep, and cattle, variations in blood parameters that reflect alterations in liver function compared with normal values in order to establish standards for studying toxicity of flukicides

Toxicity
Levchenko, F. F., 1978, Veterinariia, Moskva (7), 62-64
Theileria annulata, cattle, chinocide and bigumal treatment effective, treatment with hemostimulin and vitamins and microelements given in feed to counteract anemia and atonicity of digestive tract resulting from therapy: Gissarsk valley

Toxicity
Levi, G. C.; and Amato Neto, V., 1971, Rev. Inst. Med. Trop. S. Paulo, v. 13 (5), 369-372
Trypanosoma cruzi, humans with chronic infections, lampit, frequent side effects

Toxicity
Levi, G. C.; Amato Neto, V.; and Sant'anna, I. F. de A. B., 1975, Rev. Inst. Med. Trop. S. Paulo, v. 17 (1), 49-54
Trypanosoma cruzi, humans, Ro 7-1051 therapy, side effects

Toxicity
Levi, G. C.; de Avila, C. A.; and Amato Neto, V., 1977, Rev. Inst. Med. Trop. S. Paulo, v. 19 (6), 422-424
giardiasis, humans, efficacy of various drugs, comparative study, side-effects

Toxicity
Limbos, P.; et al., 1977, Ann. Soc. Belge Med. Trop., v. 57 (4-5), 495-500
T[rypanosoma] rhodesiense, 16-year-old girl, renal insufficiency after treatment with pentamidine: European visitor to Kagera park, Rwanda

Toxicity
Lindmark, D. G.; and Mueller, M., 1976, Antimicrob. Agents and Chemotherapy, v. 10 (3), 476-482
metronidazole and 11 other nitroimidazoles, antitrichomonad activity against Tritrichomonas foetus and Trichomonas vaginalis, mutagenic action in Salmonella test, reducibility of nitro group by T. foetus homogenates, results underscore role of reduction of nitro group in antitrichomonad and mutagenic activity of nitroimidazoles

Toxicity
Loos, E., 1974, Bull. Soc. Sc. Med. Gr.-Duche Luxembourg, v. 111 (1), 19-25
synthetic antimalarials, ocular complications that can result from prolonged use

Toxicity
Luethgen, W., 1979, Tierarztl. Umschau, v. 34 (2), 104, 107-112
Ascaridia columbae and Capillaria columbae in Columba livia dom., fenbendazole, laboratory and field trials of effectiveness, reversible disorders in feather development were only adverse side effects

Toxicity
Macfarlane, D. G.; and Bacon, P. A., 1978, Brit. Med. J. (6110), v. 1, 407-408
levamisole-induced vasculitis in patients with immunological disorders

Toxicity
Machemer, L.; and Lorke, D., 1978, Arch. Toxicol., v. 39 (3), 187-197
praziquantel, mutagenicity studies on mice and Cricetulus griseus, no indication of mutagenic action, compared with cyclophosphamide and placebo

Toxicity
McManus, E. C.; et al., 1979, Exper. Parasitol., v. 47 (1), 13-23
Eimeria tenella, chickens (exper.), t-butylaminoethanol alone or in synergistic combination with sulfaquinoxaline and pyrimethamine, anticoccidial efficacy, specific reversal of toxicity for parasite and host by choline and dimethylaminoethanol

Toxicity
Malone, P., 1978, Vet. Rec., v. 103 (21), 477-478
cattle, nitrite poisoning attributed to feeding monensin sodium, diet of barley straw and grazing turnips, treatment by intravenous injection of methylene blue

Toxicity
Manuel, M. F.; and Trovela, E., 1977, Philippine J. Vet. Med., v. 16 (1-2), 31-39
Leucocytozoon caulleryi, chickens under field conditions, efficacy of halofuginone and furazolidone alone and in combination, given with feed, furazolidone at high dosage showed some adverse host growth effects, neither drug showed adverse effect on blood picture

Toxicity
Marinho, R. P.; et al., 1974, Rev. Inst. Med. Trop. S. Paulo, v. 16 (1), 54-59
Schistosoma mansoni, man treated with hycanthone, development of acute yellow atrophy of liver, fatal illness, case report: Minas Gerais, Brazil

Toxicity
Marinho, R. P.; et al., 1974, Rev. Inst. Med. Trop. S. Paulo, v. 16 (6), 354-361
S[chistosoma] mansoni, human, yellow atrophy of liver resulting from hycanthone therapy, fatal illness, case report: Caete, Minas Gerais, Brazil

Toxicity
Marshall, R. J.; and Ojewole, J. A. O., 1978, Toxicol. and Applied Pharm., v. 46 (3), 759-768
quinoline and nonquinoline antimalarial drugs, effects on isolated guinea pig cardiac muscle

Toxicity
Martin, E. W., 1978, Hazards of medication. A manual on drug interactions, contraindications, and adverse reactions with other prescribing and drug information, 2. ed., 686 pp.

Toxicity
Metge, P.; et al., 1979, Bull. Soc. Opht. France, v. 79 (4-5), 347-351
malaria, humans, chloroquine induced retinopathy, 6 cases

Toxicity
Migaki, T. T.; and Babcock, W. E., 1979, Poultry Science, v. 58 (2), 481-482
salinomycin, anticoccidial, safety in broiler chickens compared with monensin

Toxicity
Mihai, M.; and Badescu, C., 1973, Lucrar. Stiint. Inst. Agron. N. Balcescu, s. C, Med. Vet., v. 15, 1972, 225-229
neguvon, alterations of free amino acids in animal tissues

Toxicity
Miller, R. W.; and Gordon, C. H., 1973, J. Econom. Entom., v. 66 (1), 135-138
rabon, feeding to dairy cows over extended periods, no adverse effects on general health or reproductive performance, negligible milk and tissue residues

Toxicity
Moursy, A. A. M., 1977, J. Egypt. Vet. Med. Ass., v. 37 (2), 99-110
furazolidone, ducks, toxicity, physiopathological changes

Toxicity
Muermann, P.; von Eberstein, M.; and Frohberg, H., 1976, Vet. Med. Rev. (2), 142-153
droncit, animals and man, toxicity and local tolerance after single and repeated doses, sensitising and teratogenic properties

Toxicity
Murray-Lyon, I. M.; and Reynolds, K. W., 1979, Brit. Med. J. (6198), v. 2, 1111-1112
hydatid cysts, humans, fever following mebendazole treatment possibly a reaction to drug-induced tissue necrosis in cysts

Toxicity
Nagaratnam, N.; Chetiyawardana, A. D.; and Rajiyah, S., 1978, Postgrad. Med. J., London (628), v. 54, 108-112
aplastic anaemia and acute myeloblastic leukemia following chloroquine therapy for malaria and discoid lupus erythematosus, case reports

Toxicity
Naidu, N. V.; and Raghavachar, B., 1978, Indian J. Animal Health, v. 17 (2), 117-121
diazinon exposed vs. normal Indian buffaloes, changes in blood cholinesterase activity and clinical response

Toxicity
Neave, R. M. S., 1979, Vet. Rec., v. 104 (21), 490 [Letter]
mebendazole higly toxic for psittaciformes and columbiformes

Toxicity
Niemand, H. G.; Niemand, S.; and Wendel, E., 1979, Kleintier-Praxis, v. 24 (4), 173-175
discussion of chief effective principles of different flea collars (dichlorvos, diazinon, propoxur), toxicity

Toxicity
Nishimura, T., 1977, J. Tokyo Univ. Fish., v. 63 (2), 71-79
sulfamonomethoxine, rainbow trout, toxicity compared with sulfamerazine

Toxicity
Nistri, A.; and Arenson, M. S., 1978, Experientia, v. 34 (8), 1046-1047
piperazine, effect on central and peripheral cholinergic synapses of the frog

Toxicity
Nozdryn-Plotnicki, Z.; and Owczarewicz, A., 1977, Polskie Arch. Wet., v. 20 (3), 185-191
zanil, rabbits, morphological and histoenzymatic changes in kidneys

Toxicity
Ogawa, S.; et al., 1979, Lancet, London (8131), v. 1, 1408 [Letter]
progression of retinopathy long after cessation of chloroquine therapy

Toxicity
Oldham, R. R.; et al., 1971, South. Med. J., v. 64 (4), 480-482
possible santonin poisoning (hemolytic crisis) in young child treated for worms with ascarel

Toxicity
Oleinik, A. P., 1977, Veterinariia, Moskva (5), 65-67
fascioliasis, sheep, diamphenethide, determining dosage and toxicity levels

Toxicity
Ong, T. M., 1978, Mutation Research, v. 55 (1), 43-70
hycanthone and other antischistosomal drugs, general properties, teratogenicity, carcinogenicity, mutagenicity, and other genetically related activities, review

Toxicity
Ordidge, R. M.; Schubert, F. K.; and Stoker, J. W., 1979, Vet. Rec., v. 104 (16), 375 [Letter]
death of horses accidentally fed cattle feed supplement containing monensin

Toxicity
Oripov, A. O., 1978, Veterinariia, Moskva (4), 74-76
Strongylata, sheep, various anthelmintics in granular form tested for mass dehelminthization, no harmful effects, nilverm most effective

Toxicity
Osmanov, A. R., 1976, Dokl. Vsesoiuz. Akad. Sel'skokhoz. Nauk (12), 24-26
azidine, pharmacodynamics, milk cows, calves, chickens, white mice, negative effects on host require supplementary vitamins, minerals, and methionine

Toxicity
Osweiler, G. D.; and Green, R. A., 1978, Vet. and Human Toxicol., v. 20 (3), 190-191
sulfaquinoxaline, death of pups, tentative diagnosis of vitamin K antagonism from drug therapy, case report

Toxicity
Pagano, M. A.; O'Neill, E.; and Aristimuno, G., 1977, Rev. Neurol. Argentina, v. 3 (3), 467-470
human Chagas disease, nifurtimox therapy, development in some persons of an axonal neuropathy involving mainly the lower limbs

Toxicity
Palmer, J. S., 1978, Am. J. Vet. Research, v. 39 (7), 1231-1232
diazinon, acute toxicity studies of microencapsulated vs. wettable powder formulation applied dermally to calves and steers

Toxicity
Pandey, B. B., 1978, Indian Vet. J., v. 55 (3), 253
endrin, toxicity in bullocks treated for tick infestation: Purmoti, Azamgarh (U.P.)

Toxicity
Panitz, E., 1979, Parasitology, v. 78 (1), 33-40
Eimeria spp., chicks, anticoccidial efficacy and cross-resistance patterns of N,N'-bis (3,4 ditrifluoromethylphenyl) methylmalonamide compound have no practical application because of weight gain depression

Toxicity
Pedro, R. de J.; et al., 1977, Rev. Inst. Med. Trop. S. Paulo, v. 19 (2), 130-137
Schistosoma mansoni, humans, oxamniquine, clinical trials, undesirable effects monitored

Toxicity
Pedro, R. de J.; et al., 1979, Rev. Brasil. Pesqui. Med. e Biol., v. 12 (2-3), 207-211
Schistosoma mansoni, observations on oxamniquine therapy: treatment of children, drug resistance of human strain as well as its resistance to hycanthone, hepatic histopathology during therapy, neurotoxic effects, treatment of mixed salmonellosis infection

Toxicity
Piercy, D. W. T.; Reynolds, J.; and Brown, P. R. M., 1979, Brit. Vet. J., v. 135 (5), 405-410
oxfendazole, reproductive safety in sheep and cattle

Toxicity
Pilarczyk, J. P., 1979, Canine Pract., Santa Barbara, v. 6 (6), 51-52
chemical burn and toxicity in dog treated with flea dip that had been improperly stored

Toxicity
Plisek, K., 1974, Veterinaria, Praha, v. 16 (5-6), 589-640
coccidiostats, survey of currently used substances, toxicity, modes of application, review

Toxicity
Plisek, K.; Billova, V.; and Malhocka, A., 1977, Veterinaria, Praha, v. 19 (6), 49-71
dimetridazole, mice, chicks, acute and chronic toxicity, administration in therapeutic concentrations is safe in above animal species

Toxicity
Potemkin, V. I.; and Nadiradze, O. Z., 1977, Veterinariia, Moskva (9), 67-68
[Hypoderma], cattle, chlorophos (Hypodermacide), effective, low toxicity

Toxicity
Quaderi, M. A.; et al., J. Trop. Med. and Hyg., v. 81 (1), 16-19
human hepatic amoebiasis, clinical diagnostic features, treatment trials with tinidazole, 100% cure rate at 2-month follow-up, some side effects: Bangladesh

Toxicity
Raether, W.; Seidenath, H.; and Loewe, H., 1978, Ann. Trop. Med. and Parasitol., v. 72 (6), 543-547
Leishmania donovani, golden hamsters, HOE 668 compared with known antileishmanial drugs, toxicity precludes further development but very good anti-leishmanial action qualifies it as standard compound in screening tests

Toxicity
Roberts, I. H.; Wilson, G. I.; and Meleney, W. P., 1978, J. Am. Vet. Med. Ass., v. 173 (7), 840-842
Psoroptes ovis, cattle (exper.), phosmet, efficacy of single and double treatments at various concentrations, some signs of toxicosis

Toxicity
Roberts, M. C.; and Seawright, A. A., 1979, Austral. Vet. J., v. 55 (11), 553-554
amitraz, horses, toxicity experiments, large intestinal impaction: Australia

Toxicity
Rognoni, V.; and Sagone, I., 1976, Riv. Ostet. e Ginec. Prat. e Med. Perinat., v. 56 (6), 544-551
Trichomonas vaginalis, human vaginal infections, nifuratel, results of various therapeutic schemes compared, results from other studies compared, possible toxicity studied

Toxicity
Ruebush, T. K. II; et al., 1979, Am. J. Trop. Med. and Hyg., v. 28 (2), 184-189
Babesia microti, 65-year-old man, treated with diminazene aceturate after failure to respond to chloroquine therapy, development of acute idiopathic polyneuritis: Nantucket Island

Toxicity
Ruggieri, H.; and Piserchia, C. N., 1977, Rev. Neurol. Argentina, v. 3 (3), 474-476
Chagas disease, humans with psychiatric disturbances, symptoms intensified by nifurtimox therapy, disappearance or diminution of symptoms when drug was discontinued

Toxicity
Saad, A. A.; et al., 1978, Biochem. Pharmacol., v. 27 (4), 473-474
Schistosoma mansoni-infected and normal mice treated with hycanthone, progressive and prolonged increase in β-glucuronidase activity in liver and spleen homogenates, concluded that hycanthone is hepatotoxic drug and is possibly carcinogenic in mice

Toxicity
St. Omer, V. V., 1978, Vet. Med. and Small Animal Clin., v. 73 (9), 1125-1128, 1132
furazolidone, toxicity in animals, review

Toxicity
Salih, S. Y.; Abu Sabaa, H.; and Mustafa, D., 1978, J. Trop. Med. and Hyg., v. 81 (7), 126-130
Schistosoma mansoni, S. haematobium, humans, clinical trials testing efficacy of single dose therapy with hycanthone, some gastrointestinal side effects, cure rates of about 90% with significant reduction in egg excretion in those who were not cured: Sudan

Toxicity
Sansi, K. A. O., 1976, Bull. Animal Health and Prod. Africa, v. 24 (1), 93-96
haemorrhagic syndrome in chickens, possibly associated with use of amprolium as coccidiostat, case report: Vom, Nigeria

Toxicity
Sapire, D. W.; and Silverman, N. H., 1970, South African Med. J., v. 44 (33), 948-950
urinary schistosomiasis, 10-year-old boy, sodium antimony gluconate treatment caused acute poisoning with myocardial involvement, suggestions for management

Toxicity
Scheinberg, M. A.; et al., 1978, Brit. Med. J. (6110), v. 1, 408
levamisole induced cutaneous necrotising vasculitis, case report

Toxicity
Schmidt, L. H., 1979, Antimicrob. Agents and Chemotherapy, v. 16 (4), 475-485
Plasmodium spp. in monkeys, floxacrine, lacking in radical curative activity, significant prophylactic activity but with requirement for daily dosage, untoward host reaction

Toxicity
Sethuraman, V.; and Verma, B. B., 1978, Indian J. Animal Sc., v. 48 (8), 622-625
carbon tetrachloride toxicity, healthy buffalo calves, clinical, haematological, and biochemical changes

Toxicity
Sfikakis, P.; et al., 1971, Therapeutique, v. 47 (4), 383-385
chloroquine administered to normal subjects, no cardiotoxicity observed

Toxicity
Sharaf, A. A.; El-Sherbini, A.; and Abdulla, W. A., 1976, Egypt. J. Bilharz., v. 3 (2), 247-254
inhibition of citrate oxidation in rat liver by the antischistosomal drug bilharzid, inhibition decreased by time, addition of citrate protected the enzyme against inhibitory action of the drug if administered before the bilharzid

Toxicity
Sharma, R. D.; and Gautam, O. P., 1977, Haryana Vet., v. 16 (1), 19-26
Babesia caballi, B. equi, horses, case reports, haematological changes, berenil, some adverse reactions

Toxicity
Shchelkanov, K. G.; and Epel'dimov, L. S., 1977, Sborn. Nauch. Rabot SibNIVI, Sibirsk. Nauchno-Issled. Vet. Inst. (29), 76-80
Dictyocaulus, sheep, divezid, nilverm, and cyazone, changes in lung tissue of sheep and some tissues of parasite resulting from drug action

Toxicity
Shlosberg, A.; and Egyed, M. N., 1979, Vet. and Human Toxicol., v. 21 (1), 1-3
coccidiostat dibutyltin dilaurate inadvertently introduced into feed, mass poisoning in cattle, palm doves, and mink: Israel

Toxicity
Shmidl, J. A.; et al., 1978, Vet. Med. and Small Animal Clin., v. 73 (6), 775-776, 781
febantel paste and suspension, horses, toxicology evaluation

Toxicity
Shmidl, J. A.; et al., 1979, Vet. Med. and Small Animal Clin., v. 74 (12), 1796-1799
safety evaluation of concurrent administration of febantel and trichlorfon in paste and liquid forms to horses, no significant toxic effects

Toxicity
da Silva, L. C.; et al., 1973, Rev. Inst. Med. Trop. S. Paulo, v. 15 supl. 1 (6), 58-62
S[chistosoma] mansoni, human, non endemic area, oxamniquine, severe pain at injection site

Toxicity
Simitzis-Le Flohic, A. M.; et al., 1977, Semaine Hop. Paris, v. 53 (22-23), 1369-1370
schistosomiasis with minor parasitism of distomiasis, ascariasis, trichocephaliasis, woman with presenting symptoms of adrenal insufficiency, cortisone therapy resulted in aggrevated symptoms and asthenia, parasitism diagnosed, piperazine therapy resulted in toxic neurologic reactions, illness resolved after niridazole therapy: France (had resided in Central African Republic)

Toxicity
Singh, H.; et al., 1978, Ztschr. Naturforsch., Sect. C, Biosc., v. 33 (5-6), 447-448
Hymenolepis nana, rats, mice, 2'-chloro-1-hydroxy-2-naphthanilide-4'-isothiocyanate, synthesis and cestodicidal activity, highly effective and safe, comparative efficacy with yomesan; further tests showed marked activity against H. diminuta in rats and Taenia sp. in dogs

Toxicity
Smith, G. A., 1979, Vet. Rec., v. 104 (24), 559 [Letter]
mebendazole, toxicity for Columbiformes and Psittaciformes questioned

Toxicity
Stanton, H. C.; Albert, J. R.; and Mersmann, H. J., 1979, Am. J. Vet. Research, v. 40 (3), 315-320
dichlorvos, sows and growing pigs, unformulated vs. slow-release polyvinyl chloride resin formulation, pharmacology and safety

Toxicity
Stevenson, D. K.; Christie, D. L.; and Haas, J. E., 1978, Pediatrics, Am. Acad. Pediat., v. 61 (6), 864-866
trimethoprim-sulfamethoxazole, child, hepatic injury

Toxicity
Stoianova-Radoeva, S., 1978, Vet. Med. Nauki, v. 15 (4), 79-85
acedist, dovenix, treated sheep, residues in milk, effect on blood biochemical indices

Toxicity
Strakova, J.; Sevcik, B.; and Dvorak, M., 1978, Biol. a Chem. Zivoc. Vyroby, Vet., v. 14 (v. 20) (2), 171-180
coccidiosis, chicks, sulphacombine, acute and subacute toxicity studies

Toxicity
Stuart, J. C., 1978, Vet. Rec., v. 102 (14), 303-304
monensin toxicity in turkeys aged 25 weeks and older

Toxicity
Takaoka, L.; et al., 1976, Rev. Inst. Med. Trop. S. Paulo, v. 18 (5), 378-386
schistosomiasis mansoni, humans with chronic infection, electrocardiographic alterations after hycanthone therapy

Toxicity
Tanaka, H.; et al., 1977, Kiseichugaku Zasshi (Japan. J. Parasitol.), v. 26 (1), 1-5
Litomosoides carinii, cotton rats, antifilarial activity of 2-phenyl-4H-1,3,2-benzodioxaphosphorin-2-sulfide (K-15), potent inhibitory effect on cholinesterase in mice

Toxicity
Terblanche, H. J. J., 1978, Vet.-Med. Nachr. (2), 180-185
febantel, rams, effect on fertility, drug trials

Toxicity
Tesik, I., 1978, Biol. a Chem. Zivoc. Vyroby, Vet., v. 14 (v. 20) (4), 379-384
ectoparasites of reptiles, arpalit spray, toxicity to snakes and tortoise tested, TMB-4 as antidote

Toxicity
Thong, Y. H.; et al., 1979, Tr. Roy. Soc. Trop. Med. and Hyg., v. 73 (4), 388-390
mefloquine (new antimalarial compound), effect on mitogen-induced human and mouse lymphocyte proliferative responses, effect on antibody responses and delayed-type hypersensitivity responses to sheep red blood cells in treated mice

Toxicity
Thong, Y. H.; and Ferrante, A., 1978, Am. J. Trop. Med. and Hyg., v. 27 (2, pt. 1), 354-356
quinine, inhibition of mitogen-induced human lymphocyte proliferative responses, this immunosuppressive property may be undesirable side effect in treatment of malaria

Toxicity
Thong, Y. H.; Ferrante, A.; and Rowan-Kelly, B., 1978, Tr. Roy. Soc. Trop. Med. and Hyg., v. 72 (5), 537-539
primaquine possesses potent immunosuppressive activity at concentrations within therapeutic range for vivax malaria

Toxicity
Thylefors, B.; and Rolland, A., 1979, Bull. World Health Organ., v. 57 (3), 479-480
Onchocerca volvulus, suramin-treated patients, increased incidence of optic atrophy

Toxicity
Timofeev, B. A.; et al., 1978, Veterinariia, Moskva (4), 67-68
Fasciola hepatica, cattle, disalan effective, no toxic effect; comparison of anthelmintic effect with dertil

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helminths of dairy cows, organs parasitized, prevalence, age of host, seasonal distribution; Wisconsin sugar flotation technique more sensitive than Cornell McMaster: Wisconsin
(Ostertagia ostertagi; O. lyrata; Cooperia oncophora; C. punctata; C. mcmasteri; Trichostrongylus axei; T. colubriformis; T. longispicularis; Haemonchus placei; Oesophagostomum radiatum; Moniezia benedeni; Bunostomum phlebotomum; Nematodirus sp.; Trichuris discolor)

Urine and urinary tract. [See also Kidney]

Urine and urinary tract
Abdel-Salam, E.; and Ehsan, A., 1978, Am. J. Trop. Med. and Hyg., v. 27 (4), 774-778
Schistosoma haematobium, children, cystoscopic picture correlated to intensity of infection and morbidity: Guiza governorate, Middle East

Urine and urinary tract
Boreham, P. F. L.; and Facer, C. A., 1977, Ztschr. Parasitenk., v. 52 (3), 257-265
Trypanosoma brucei in rabbits, fibrin degradation products in urine, possible mechanisms of renal damage

Urine and urinary tract
Boreham, P. F. L.; and Parry, M. G., 1979, Advances Biosciences, v. 17, 85-92
Trypanosoma brucei, rabbits, role of urinary and plasma kallikreins in pathogenesis, immune complexes

Urine and urinary tract
Chakrabarti, A.; Das, S. N.; and Saha, A. C., 1979, Vet. Rec., v. 105 (10), 238
Dirofilaria immitis, dog, haematuria, microfilariae in urine

Urine and urinary tract
El Refaii, A. H.; and Michael, S. A., 1979, Vet. Rec., v. 105 (3), 60
urine retention in Egyptian bulls possibly caused by or linked with subclinical Theileria annulata infection, imidocarb dipropionate treatment

Urine and urinary tract
El-Sewedy, S. M.; et al., 1978, Tr. Roy. Soc. Trop. Med. and Hyg., v. 72 (5), 525-528
bilharziasis, human, α-esterase activity in serum and urine, latter recommended as screening test for bilharzial bladder cancer

Urine and urinary tract
Erturk, E.; Kalemli, M.; and Milli, U., 1978, Vet. Fak. Dergisi, Ankara Univ., v. 25 (3), 458-465
Trichosomoides crassicauda, rats, causing hyperplasia and papillomatous proliferation of urinary bladder transitional epithelium, possible source of confusion in carcinogenesis experiments

Urine and urinary tract
Fayer, R.; and Lynch, G. P., 1979, Parasitology, v. 79 (3), 325-336
Sarcocystis cruzi-infected calves (exper.), pathophysiological changes in urine and blood, several specific effects beyond those induced by nutritional stress

Urine and urinary tract
Ishihara, K.; et al., 1978, Japan. J. Vet. Sc., v. 40 (5), 525-537
dirofilarial hemoglobinuria, dogs, clinicopathological studies

Urine and urinary tract
Kawamura, N., 1979, Nippon Hinyokika Gakkai Zasshi (Japan. J. Urol.), v. 70 (9), 986-988
parasitic diseases of the urogenital tract, humans

Urine and urinary tract
Kimachi, T.; et al., 1978, Rev. Inst. Med. Trop. S. Paulo, v. 20 (1), 6-14
Trypanosoma cruzi, human chronic infection, associated disturbance of urinary concentration mechanism

Urine and urinary tract
Laughlin, L. W.; et al., 1978, Am. J. Trop. Med. and Hyg., v. 27 (5), 916-918
Schistosoma haematobium, human, prevalence of bacteriuria: Egypt

Urine and urinary tract
Oyasu, R.; and Hopp, M. L., 1974, Surg., Gynec. and Obst., v. 138 (1), 97-108
etiology of bladder cancer, humans, includes possible relationship of Schistosoma haematobium

Urine and urinary tract
Pugh, R. N. H.; and Gilles, H. M., 1979, Ann. Trop. Med. and Parasitol., v. 73 (4), 349-354
Schistosoma haematobium, subjects living in Malumfashi endemic diseases research area, no association found between bacteriuria and parasite infections, probably reflects low intensity of parasite infection: northern Nigeria

Urine and urinary tract
Pugh, R. N. H.; Jakubowski, A. W.; and Gilles, H. M., 1979, Ann. Trop. Med. and Parasitol., v. 73 (1), 37-44
Schistosoma haematobium, boys and adult males in Malumfashi schistosomal study area, changes in radiological appearance of urological lesions during a 4-year period, relationship to changing intensity of infections: Nigeria

Urine and urinary tract
Umerah, B. C., 1977, Radiology, v. 124 (3), 645-647
S[chistosoma] haematobium, humans, upper urinary tract changes after schistosomal infection are more often due to disturbances of ureteral peristalsis than to ureteral stricture

Urine and urinary tract
Warren, K. S.; et al., 1979, Am. J. Trop. Med. and Hyg., v. 28 (5), 864-870
Schistosoma haematobium, school children, relationship between egg output and morbidity: Coast Province of Kenya

Urine and urinary tract
Wilkins, H. A.; et al., 1979, Tr. Roy. Soc. Trop. Med. and Hyg., v. 73 (1), 74-80
Schistosoma haematobium, human, intensity and prevalence of proteinuria and hematuria determined using urinalysis reagent strips, close relationship to intensity of infection suggests these parameters may have value as indications for chemotherapy, good prognosis in subjects with heavy proteinuria suggests that this urinary protein is likely to originate from lesions in lower renal tract rather than kidney: The Gambia; Egypt

Urine and urinary tract
Wright, I. G.; and Boreham, P. F. L., 1977, Biochem. Pharmacol., v. 26 (5), 417-423
Trypanosoma brucei, rabbits, chronic infections, urine volume, urinary kallikrein, effects of inhibitors on properties, excretion of elevated levels of urinary kallikrein considered to be due to glomerular damage and possibly to activation of plasma kallikrein by parasite and by parasite/antibody complexes

Urine and urinary tract
Wright, I. G.; and Goodger, B. V., 1979, Ztschr. Parasitenk., v. 59 (2), 115-119
Babesia bovis, splenectomised calves (exper.), urine analysis, kidney histopathology

Urine and urinary tract
  Young, S. W.; et al., 1979, Tr. Roy. Soc. Trop. Med. and Hyg., v. 73 (3), 249-253
    Schistosoma haematobium, patients with obstructive uropathy secondary to parasitic infections, effects on hydrogen ion excretion and urine osmolality studied

Urticaria
  Dorrestein, G. M.; and Van Bronswijk, J. E. M. H., 1979, Vet. Parasitol., v. 5 (4), 389-398
    Trixacarus caviae as cause of mange in Cavia porcellus (nat. and exper.), clinical symptoms, pathology, treatment; papular urticaria in humans associated with mangy guinea-pigs: The Netherlands

Urticaria
  Maru, M.; and Mengistu, M., 1979, East African Med. J., v. 56 (6), 288-290
    Plasmodium falciparum as cause of acute urticaria, 2 case reports: Ethiopia

Uruguay
  Maggi, R.; et al., 1976, Rev. Uruguaya Patol. Clin. y Microbiol., v. 14 (1), 35-41
    human intestinal parasites, prevalence survey: Montevideo and surrounding areas (Trichuris trichiura; Ascaris lumbricoides; Enterobius vermicularis; Giardia lamblia; Entamoeba coli; Iodamoeba butschlii)

Utah. See United States, Utah.

Vaccination. See Immunization.

Variation. [See also Measurements; Morphology; Polymorphism]

Variation
Akahane, H.; and Oshima, T., 1976, Kiseichugaku Zasshi (Japan. J. Parasitol.), v. 25 (4), 231-234
Fasciola sp., existence of strain with large eggs and strain with small eggs, heritability of trait: Japan

Variation
Albaret, J. L., 1978, Compt. Rend. Acad. Sc., Paris, v. 286, s. D, Sc. Nat. (19), 1359-1362
Schistosoma mansoni, variation in number of ciliated papillae on miracidia of different strains, variations are related to intermediate and definitive hosts

Variation
Albaret, J. L.; and Leger, N., 1978, Ann. Parasitol., v. 53 (6), 617-622
Schistosoma mansoni, miracidial chetotaxic index, changes during adaptation of human strain to white mice, use in determining human vs. murine character of natural infections in Guadeloupe, possibility of murine strains infecting humans

Variation
Amin, O. M., 1974, J. Med. Entom., v. 11 (2), 227-230
Cediopsylla simplex from Sylvilagus floridanus, intraspecific variations in genal and pronotal combs in male vs. female fleas, implications for effective lodging and survival

Variation
Amin, O. M., 1976, J. Med. Entom., v. 13 (2), 179-192
fleas of mammals, morphological variations in certain key diagnostic characters, seasonal distribution, sex ratio, host sex: southeastern Wisconsin

Variation
Andersen, K.; and Halvorsen, O., 1978, Parasitology, v. 76 (2), 229-240
Diphyllobothrium spp., egg size and form (length, width, and length:width ratio) as taxonomic criteria, may contribute to species delimitation at population level but for identification at individual level 80% is best possible accuracy

Variation
Bafort, J., 1970, Ann. Soc. Belges Med. Trop. Parasitol., v. 50 (2), 247-262
Plasmodium berghei berghei, differences between various isolates, assumed to be pleomorphic species, characteristics compared with P.b. killicki and P.b. yoelii

Variation
Bakke, T. A., 1978, Canad. J. Zool., v. 56 (1), 94-102
Leucochloridium variae, synonymy, intraspecific variation of adults

Variation
Bartkowska, K.; Skuratowicz, W.; and Batchvarov, G., 1978, Bull. Acad. Polon. Sc., Cl. II, s. Sc. Biol., v. 26 (12), 863-869
fleas, geographic distribution, morphological variability: Bulgaria

Variation
Barus, V.; Tenora, F.; and Blazek, K., 1977, Acta Univ. Agric., Fac. Agronom., Brno, v. 25 (3), 209-213
Thelazia rhodesi, detailed morphology and metrical variability

Variation
Bayssade-Dufour, C., 1977, Compt. Rend. Acad. Sc., Paris, v. 285, s. D, Sc. Nat., (16), 1511-1513
Schistosoma mansoni, cercarial chaetotaxy, comparison of 14 strains from 4 hosts (man, Erythrocebus patas, white mice, and wild rats), variation allows differentiation of strains of human vs. murine origin during epidemiological investigations

Variation
Beverley-Burton, M.; and Pippy, J. H. C., 1977, Environment. Biol. Fish., v. 2 (3), 309-314
Anisakis simplex larvae in Salmo salar and Clupea harengus harengus, morphometric variations including influence of host sex and age, geographic variations, and worm population composition, use of morphometrics for biological tagging: North Atlantic

Variation
Bilqees, F. M., 1974, Acta Parasitol. Polon., v. 22 (22-34), 305-310
Bianium plicitum, morphological variations

Variation
Blinova, S. L.; and Vosilite, B. S., 1974, Trudy Gel'mint. Lab., Akad. Nauk SSSR, v. 24, 25-29
Parasitorhabditis sexdentati, morphometrics, individual and geographic variation, statistical analysis: Litovsk SSR; Moskovsk oblast; Gruzinsk SSR

Variation
Bower, S. M.; and Woo, P. T. K., 1977, Canad. J. Zool., v. 55 (7), 1082-1092
Cryptobia catostomi n. sp., morphological variation, host specificity

Variation
Bower, S. M.; and Woo, P. T. K., 1977, Canad. J. Zool., v. 55 (7), 1093-1099
Cryptobia catostomi in Catostomus commersoni (blood), division and morphogenesis, explanation for variation in parasite size

Variation
Buckner, R. L.; and Nickol, B. B., 1979, J. Parasitol., v. 65 (1), 161-166
Fessisentis, 4 species differ in several characters not obscured by geographical or host-induced morphological variation; F. fessus, confirmation of life cycle

Variation
Burt, M. D. B.; and Sandeman, I. M., 1969, J. Fish. Research Bd. Canada, v. 26 (4), 975-996
Bothrimonus, history, description, morphological variation, synonymy, systematics

Variation
Butenko, O. M., 1975, Parazitologiia, Leningrad, v. 9 (2), 175-182
Larinyssus orbicularis, description, morphological variability in relation to host species

Variation
Carter, R., 1978, Parasitology, v. 76 (3), 241-267
Plasmodium berghei, P. yoelii, P. vinckei, P. chabaudi, and their subspecies, electrophoretic variation of enzymes glucose phosphate isomerase, 6-phosphogluconate dehydrogenase, lactate dehydrogenase, and glutamate dehydrogenase, detailed description of technique, genetic and taxonomic implications, key for identification of murine plasmodia by enzyme type

Variation
Cassone, J.; et al., 1978, Ann. Parasitol., v. 53 (4), 387-391
Schistosoma mansoni, human strain from West Africa, modification in cercarial chetotaxy after several mouse passages; differences in cercarial chetotaxy in Guadeloupe in relation to whether transmission is predominantly murine or predominantly human

Variation
Chauhan, P. P. S.; and Pande, B. P., 1978, J. Helminth., v. 52 (4), 343-353
Onchocerca armillata, O. gutturosa, morphological variations with special reference to male tail and cuticular ornamentation: slaughterhouses in Uttar Pradesh, India

Variation
Coudert, P.; Licois, D.; and Streun, A., 1979, Ztschr. Parasitenk., v. 59 (3), 227-234
Eimeria perforans, isolation of pure strain using specific-pathogen free rabbits, measurements, sporulation time, pathogenicity

Variation
Dikovskaia, V. E., 1974, Parazitologiia, Leningrad, v. 8 (6), 548-552
Eimeria tenella, 13 strains, intraspecific variability with respect to virulence, reproductive capability, and immunogenic properties: USSR

Variation
Ergens, R., 1971, Folia Parasitol., v. 18 (4), 377-380
Gyrodactylus stankovici, morphological and metrical variability, taxonomic value

Variation
Greiner, E. C.; and Kocan, A. A., 1977, Canad. J. Zool., v. 55 (5), 761-770
Leucocytozoon toddi from Falconiformes, interspecific and intraspecific variations

Variation
Gusev, A. V.; and Kulemina, I. V., 1971, Parazitologiia, Leningrad, v. 5 (2), 162-171
monogenetic trematodes of fish, effect of host age on size of body, chitinoid armature of haptor, and copulatory complex

Variation
Gusev, A. V.; and Kulemina, I. V., 1971, Parazitologiia, Leningrad, v. 5 (4), 320-329
monogeneans of fish (primarily Dactylogyrus), variation in size of body and attachment organs, of localization on host, and of developmental cycle with respect to host age and size, taxonomic implications

Variation
Hafeezullah, M., 1971, Acta Parasitol. Polon., v. 19 (9-18), 133-139
Helicometra, genus review, variations in testes number

Variation
Halvorsen, O., 1969, Norwegian J. Zool., v. 17 (1), 93-103
Diplozoon paradoxum on roach, bream, hybrids of roach and bream, and white bream, morphological adaptability, host specificity: river Glomma, Norway

Variation
Healy, J. A., 1979, Parasitology, v. 78 (1), 7-17
Ixodes ricinus, samples from several Irish localities and from spring and autumn ticks collected in one area, detection by electrophoresis of very high allelic variation at locus coding for phosphoglucomutase, allele frequency patterns, both spatial and temporal genetic differentiation exist, possible use of this polymorphism in population and taxonomic studies, possible adaptive significance of polymorphism in autecology of parasite

Variation
Healy, J. A., 1979, Genetica, v. 50 (1), 19-30
Ixodes ricinus, polymorphism at α-glycerophosphate dehydrogenase locus detected by electrophoresis, allele and genotype frequency patterns in natural tick populations, physiological and behavioral correlates of alternate genotypes (susceptibility to desiccation, locomotory efficiency), sex and locality differences, results provide evidence that polymorphism serves adaptive function and suggest factors that may be involved in selective maintenance of variability in natural populations: Ireland

Variation
Hine, P. M., 1979, N. Zealand J. Marine and Freshwater Research, v. 13 (2), 215-223
Myxidium zealandicum in Anguilla spp., factors affecting size and shape of spores, comparison with M. acinum: Makara Stream, Wellington, New Zealand

Variation
Hoogstraal, H.; et al., 1977, J. Med. Entom., v. 13 (4-5), 441-445
Argas africolumbae, variation, distribution, hosts and habitats, preliminary life cycle studies

Variation
Huang, S. W.; et al., 1979, J. Chinese Soc. Vet. Sc., v. 5 (2), 79-85
Fasciola spp., cattle and water buffaloes, morphology, egg hatching time, phototaxis, and infectivity of miracidia to Limnea ollula (exper.), intra-species variation: Taipei abattoir, Taiwan

Variation
Huffman, D. G.; and Nickol, B. B., 1978, J. Parasitol., v. 64 (5), 851-859
Pomphorhynchus bulbocolli, P. rocci, meristogram analysis revealed that these 2 species can be easily distinguished by measuring length of one hook in the 60-80 'percent-position' region of the proboscis

Variation
Kabata, Z. P.; and Koriakov, E. A., 1974, Parazitologiia, Leningrad, v. 8 (4), 306-311
Salmincola cottidarum, morphological variability

Variation
Knos, G. B.; and Short, R. B., 1979, J. Parasitol., v. 65 (3), 350-356
Schistosomatium douthitti, cercariae, argentophilic papillae (numbers, types, distribution patterns), degree of variation, sex-related differences, possible use in identification and systematics

Variation
Krasnolobova, T. A., 1971, Trudy Gel'mint. Lab., Akad. Nauk SSSR, v. 22, 92-118
Plagiorchis elegans, development in final hosts, morphological variation, effect of host species, parasite age, and season

Variation
Krasnolobova, T. A., 1973, Trudy Gel'mint. Lab., Akad. Nauk SSSR, v. 23, 86-96
Plagiorchis fastuosus, validity, life cycle, morphology, variation in different hosts

Variation
Krasnolobova, T. A.; Iliushina, T. L.; and Rybakova, Z. I., 1974, Trudy Gel'mint. Lab., Akad. Nauk SSSR, v. 24, 73-75
Prosthogonimus ovatus, synonymy, extent of development of reproductive system varies with definitive host

Variation
Kulemina, I. V., 1977, Vestnik Leningrad. Univ. (9), s. Biol. (2), 12-18
Gyrodactylus sp., size of anchors and marginal hooks on opisthaptor, seasonal variation, dependence on water temperature, natural and experimental evidence

Variation
Letch, C. A., 1979, Parasitology, v. 79 (1), 107-117
Trypanosoma cobitis should be regarded as single species of trypanosome from 6 spp. of British fish on basis of morphology, isoenzyme patterns, and cross-transmission (by syringe passage of culture forms and by leech vector Hemiclepsis marginata), specific names T. phoxini, T. elegans, T. barbatulae, T. occidentalis, and T. langeroni "should be disregarded"

Variation
Llewellyn, J.; and Tully, C. M., 1969, J. Fish. Research Bd. Canada, v. 26 (4), 1063-1074
Diclidophorinae, 12 spp., morphological variations, comparison of possible evolutionary paths in parasites and in their fish hosts, key to species

Variation
Lopez-Revilla, R.; and Gomez, R., 1978, Exper. Parasitol., v. 44 (2), 243-248
Entamoeba histolytica strains, E. invadens, E. moshkovskii, fluctuations of DNA content of axenic trophozoites, variations generally but not always occurred within a range characteristic of each species, possible causes of variation, estimation of DNA content could help to distinguish these species despite variation

Variation
McManus, D. P.; and Smyth, J. D., 1978, Parasitology, v. 77 (1), 103-109
Echinococcus granulosus (horse and sheep strains), E. multilocularis, differences in chemical composition and carbohydrate metabolism between species and strains

Variation
Marchiondo, A. A.; and Foxx, T. S., 1978, J. Parasitol., v. 64 (5), 925-927
Cheyletiella yasguri, C. parasitivorax, solenidion on genu I, variation in shape, scanning electron microscopy

Variation
Mikhail, J. W.; and Fahmy, M. A. M., [1977], Egypt. J. Vet. Sc., v. 13 (1), 1976, 63-67
Hymenolepis diminuta, variation in number of testes

Variation
Misiura, M., 1971, Acta Parasitol. Polon., v. 19 (1-8), 69-80
Sobolevicanthus gracilis, morphological variations in length of rostellar hooks, variability dependent upon intensity of infection of intermediate host

Variation
Mukherjee, R. P., 1977, Publicaciones Espec. (4), Inst. Biol., Univ. Nac. Autonom. Mexico, 255-260
Ganeo tigrinum, variability of certain structures, taxonomic importance

Variation
Odening, K.; Bockhardt, I.; and Graefner, G., 1979, Zool. Jahrb., Jena, Abt. Syst., v. 106 (2), 214-241
Paramphistomum spp., morphology and development of larval stages, variation and species differentiation, intermediate host specificity

Variation
Palmieri, J. R., 1977, Great Basin Nat., v. 37 (2), 129-137
Posthodiplostomum minimum, centrarchid strain in various ecologically abnormal experimental hosts, host-induced variations of body measurements and tegument

Variation
Palmieri, J. R., 1977, Great Basin Nat., v. 37 (3), 375-382
Posthodiplostomum minimum, host-induced variations in size, shape, and complexity of oral sucker, acetabulum, and holdfast organ

Variation
Palmieri, J. R., [1978], Great Basin Nat., v. 37 (4), 1977, 481-488
Posthodiplostomum minimum, host induced morphological variations (testes number, size, and shape; ovary measurements and position; vitelline gland distribution; egg size); due to lack of host specificity as well as overlap of egg and body sizes of species of Posthodiplostomum, it is apparent that several reported species are not valid

Variation
Palmieri, J. R.; Krishnasamy, M.; and Sullivan, J. T., 1979, J. Helminth., v. 53 (2), 161-167
Fibricola ramachandrani comb. nov., intraspecific host-induced morphological variation

Variation
Poelvoorde, J., 1978, Vet. Parasitol., v. 4 (4), 369-376
Oesophagostomum dentatum, isolation of pure strain, several morphological characteristics (statistical analysis of variation in measurements), life cycle

Variation
dos Santos, E., 1969, Atas Soc. Biol. Rio de Janeiro, v. 12 (4), 211-212
Heterakis gallinarum from Gallus gallus domesticus, variation in number, form and disposition of papilla

Variation
Sood, M. L.; and Kaur, C., 1976, Riv. Parassitol., Roma, v. 37 (1), 13-33
Haemonchus contortus utkalensis in goats, vulvar configurations, 17 variants identified among 3 phenotypes, seasonal occurrence in relation to temperature and humidity, order of dominance is knobbed > linguiform > smooth except in July when it is knobbed > smooth > linguiform: Ludhiana, India

Variation
Thomas, C.; and Prasad, R. S., 1978, Experientia, v. 34 (11), 1440-1441
Xenopsylla astia, populations from different localities, differences in chromosome numbers, morphological differences; sterility in hybrids between the two populations: Bombay; Trivandrum

Variation
Waller, P. J.; and Thomas, R. J., 1978, Internat. J. Parasitol., v. 8 (5), 365-370
Ostertagia circumcincta in tracer lambs (susceptible) vs. continuously grazed lambs (potentially resistant) over course of seasonal exposure to natural infection, worm burdens, % larval inhibition, parasite sex ratio, vulval flap pattern, worm size, results indicate importance of host-induced effects on morphological development

Variation
Wegner, Z., 1974, Acta Parasitol. Polon., v. 22 (12-21), 203-217
Polyplax serrata, extensive morphological analysis, intraspecific variation

Variation
Willaert, E.; et al., 1974, Ann. Soc. Belge Med. Trop., v. 54 (4-5), 333-342
Naegleria fowleri, variants in Australian strains, immunoelectrophoretic analysis shows them to have antigenic identity with human stains causing meningoencephalitis in other parts of world

Variation
Yutuc, L. M., 1978, Philippine J. Vet. Med., v. 17 (1-2), 70-84
Trypanosoma evansi, morphology, size variation in relation to host species, geographic location, infection density, and host resistance; phylogenetic origin

Vectors. [See also Disease transmission; Epidemiology]

Vectors
Protopopian, M. G.; et al., 1975, Parazitologiia, Leningrad, v. 9 (2), 165-174
specific composition of arthropod populations inhabiting burrows of Rhombomys opimus in natural plague nidus, different ecological groups, structure of microbiocoenosis: Caspian part of Ural-Embinsk inter-river area

Vectors
Zoltowski, Z.; Stejgwillo-Laudanska, B.; and Kosinski, J., 1978, Acta Parasitol. Polon., v. 25 (21-35), 267-273
detecting and determining blood microtraces in alimentary tracts of haematophagous arthropods, application of electroimmunoprecipitation reaction in agar gel and spectroscopic method

Vectors, Acarina
Adam, K. M. G.; et al., 1978, Brit. Vet. J., v. 134 (5), 428-433
babesiasis, cattle, 2 outbreaks compared (clean cattle introduced to tick-infested endemic area; tick-infested cattle introduced to clean area), percentage seropositive for babesial antibody, degree of manifest disease, treatment with amicarbalide, results indicate that vaccination against Babesia divergens is feasible and desirable: Scotland

Vectors, Acarina
Alekseev, A. N., 1971, Parazitologiia, Leningrad, v. 5 (5), 392-400
Ixodes persulcatus, technique for artificial feeding of ticks with suspension containing virus of tick-borne encephalitis, applications

Vectors, Acarina
Anigstein, L.; and Anigstein, D., 1975, Texas Rep. Biol. and Med., v. 33 (1), 201-211
Amblyomma americanum, review of evidence for rickettsial etiology of Bullis fever (epidemic which occurred in World War II troops training at Camp Bullis, Texas), rickettsiae isolated from ticks collected in area, patient histories of tick bite

Vectors, Acarina
Austin, F. J., 1978, Am. J. Trop. Med. and Hyg., v. 27 (5), 1045-1048
Ornithodoros capensis collected in Sula bassana serrator colony, isolation of 10 strains of Johnston Atoll virus: New Zealand

Vectors, Acarina
Balashov, Iu. S., 1971, Parazitologiia, Leningrad, v. 5 (4), 347-356
interrelationships between rickettsiae and their arthropod vectors, review

Vectors, Acarina
Balashov, Iu. S., 1972, Parazitologiia, Leningrad, v. 6 (2), 97-102
Ornithodoros tartakovskyi, infection with Borrelia latyschevi: Middle Asia and Kazakhstan

Vectors, Acarina
Balashov, Iu. S.; Daiter, A. B.; and Khavkin, T. N., 1972, Parazitologiia, Leningrad, v. 6 (1), 22-25
Hyalomma asiaticum, distribution of Burnet's rickettsiae in body of tick

Vectors, Acarina
Bell, J. F.; Stewart, S. J.; and Wikel, S. K., 1979, Am. J. Trop. Med. and Hyg., v. 28 (5) 876-880
Dermacentor andersoni-sensitized rabbits, resistance to tick-borne Francisella tularensis attributed to allergic klendusity (disease escaping ability)

Vectors, Acarina
Berggren, S. A., 1978, Vet. Parasitol., v. 4 (3), 289-297
cattle tick survey, 15 spp. found, concluded that establishment of Rhipicephalus appendiculatus makes situation potentially dangerous with regard to transmission of theileriasis: Malawi

Vectors, Acarina
Bhat, H. R.; et al., 1978, Acta Virol., Internat. J., English ed., v. 22 (3), 241-244
Rhipicephalus haemaphysaloides, transmission of Kyasanur Forest disease virus to rodents

Vectors, Acarina
Bhat, H. R.; and Naik, S. V., 1978, Indian J. Med. Research, v. 67, 697-703
Haemaphysalis wellingtoni, successful experimental transstadial transmission of Kyasanur forest disease virus to tick, also zig-zag transmission by bite to chick

Vectors, Acarina
Bigalke, R. D., 1977, J. South African Biol. Soc., v. 17, 1976, 7-17
future control of ticks and tick-borne diseases of cattle, losses from ticks, tick-borne diseases, review: South Africa

Vectors, Acarina
Bijwal, D. L.; and Dhawedkar, R. G., 1978, Indian Vet. J., v. 55 (3), 256-257
Argas persicus, feeding on penicillin-treated, hyperimmunised (against spirochaete strain), and hyperimmunised plus penicillin-treated fowl did not eliminate spirochaete infection in ticks

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